

Village of Mamaroneck

**Illicit Discharge Detection and
Elimination Study**

**Sewer System Investigation –
Draft Phase 4 Report**

January 2015

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1.0 Background

The Village of Mamaroneck (Village) is a regulated MS4 community and, as such, is required to implement an illicit discharge detection and elimination program. The Environmental Protection Agency (EPA) has reported that they identified illicit discharges from the MS4, which appeared to contain sanitary sewage. The EPA also collected samples at three locations on September 30, 2010. The results of these samples showed high levels of fecal and total coliform bacteria and were the basis for Administrative Order CWA-02-2001-3022 (Order) against the Village.

Malcolm Pirnie, the Water Division of ARCADIS, now ARCADIS, was awarded a contract to assist the Village with their Illicit Discharge Detection and Elimination (IDDE) Program. This report covers work completed in 2014, which included outfall and stream sampling in Beaver Swamp Brook (Brook) and Otter Creek, an investigation of the Fayette Avenue outfall (VF 16), and the development of a GIS map to summarize the results of sampling by ARCADIS, Save the Sound, and Westchester County. ARCADIS also provided as-needed technical assistance during the year in support of the Village's IDDE program as it related to investigating potential illicit discharges identified by concerned citizens and in discussions with regulatory agencies.

The results of the planned sampling in Beaver Swamp Brook and Otter Creek did not uncover the fecal coliform pollutant load that would be causing the elevated fecal coliform concentrations observed in the streams and in Mamaroneck Harbor (Harbor), so the original 2014 plan for IDDE work was modified to shift resources to complete a comprehensive outfall inventory, inspections, and sampling program to investigate the entire storm sewer system as a whole.

2.0 Storm Sewer Investigation

ARCADIS focused on three field tasks in 2014. These included a preliminary investigation into elevated bacteria concentrations in Beaver Swamp Brook and Otter Creek; and storm sewer outfall inventory, inspection, and sampling.

2.1 Beaver Swamp Brook Investigation

ARCADIS performed outfall survey and dry weather inspections in the Beaver Swamp Brook corridor. The inspection team walked the Beaver Swamp Brook corridor, which is about one-half mile, and inspected each outfall for dry weather flow and visual



evidence of illicit discharges. The corridor inspection continued past the mouth of the River in the east branch of the Harbor and included the known outfalls on Shore Acres Road and across the Harbor on Lawn Terrace near Guion Drive.

ARCADIS collected samples at all outfalls with dry weather discharge, as well as in the Beaver Swamp Brook. The samples collected from the Brook were also under dry weather conditions, which was defined for this project as 48 hours with less than 0.1 inches of precipitation. Two samples were collected at each location to increase the confidence in the results.

Twelve outfalls within the Beaver Swamp Brook Corridor were sampled. Two of the outfalls had elevated fecal coliform concentrations; one measured 3950 cfu\100ml (Sample ID Vj 58) and the other 1400 (Sample ID Vj 04). The results are summarized in Table 2-1, and shown graphically in Figure 1 in Appendix A, 2014 Outfall and Stream Samples. Additional investigations such as sampling, dye testing, and closed circuit video (CCTV) inspections are being completed to identify the sources of fecal coliform.

Samples were collected in Beaver Swamp Brook at three locations in April of 2014 and at three locations in October of 2014. The purpose of collecting samples in the Brook was to obtain a baseline for water quality. In April, samples were collected at Short Street Bridge, and at two segments of the Beaver Swamp Brook both just north of the Village border. Short Street Bridge is approximately one-fourth mile downstream of the Village border. In October, samples were collected in the vicinity of Rye Neck High School and at the mouth of the Beaver Swamp Brook. The results are summarized in Table 2-2, and shown graphically in Figure 1 in Appendix A, 2014 Outfall and Stream Samples. Appendix B provides Field Notes and Photos.

Table 2-1 - Beaver Swamp Brook Sampling Results - April 2014

Sample ID	Collection Date	Average Fecal Coliform
Short (Short Street)	4/22/2014	400 CFU/100ml
Har Rye (Shared boarder of Harrison and Rye)	4/22/2014	300 CFU/100ml
Har_Rye2 – (Town of Harrison branch of Beaver Swamp Brook)	4/22/2014	480 CFU/100ml

Note: Analysis Method SM 9222D

**Table 2-2 - Beaver Swamp Brook Sampling Results - October 2014**

Sample ID	Collection Date	Average Fecal Coliform
Beaver Swamp Brook	10/7/2014	1000 CFU/100ml
Rye Neck High School	10/7/2014	1100 CFU/100ml
Beaver Swamp Brook Mouth	10/7/2014	600 CFU/100ml

Note: Analysis Method SM 9222D

2.1.1 Samples Collected by Save the Sound and Westchester County Department of Health (WCDOH):

For the past two years, Save the Sound has collected samples in the Harbor, at storm drain outfalls, and in the streams and analyzed these samples for fecal coliform bacteria. The Westchester County Department of Health (WCDOH) also collected samples in the Mamaroneck Harbor in the summer and analyzed them for Enterococcus bacteria to monitor water quality in the Harbor. ARCADIS mapped the 2013 and 2014 water sampling results from both of these organizations in the Geographic Information System (GIS). This will help to facilitate future planning for investigations to improve water quality in the streams and in the Harbor. In order to graphically show this data on one map it was summarized as described below.

- WCDOH collected samples weekly at thirteen locations within the Mamaroneck Harbor from May 20, 2013 – September 11, 2013 and then from May 12, 2014 – September 10, 2014. Average and maximum enterococcus concentrations are provided for the 2013 and 2014 sampling seasons.
- Save the Sound collected various quantities of samples at the locations shown in GIS, and samples were analyzed for fecal coliform bacteria. ARCADIS has shown the average and maximum concentrations for the 2013 and 2014 sampling season, and the date the maximum value was collected.

If the samples were collected during a wet weather event, they were identified as such. A wet weather event has been defined in this project as a duration of 48 hours with more than 0.1 inches of rain. Wet weather events include more potential sources of bacteria, and may alter the strategy for locating and eliminating sources. Westchester



County DOH and Save the Sound sample results are shown graphically on Figure 2 in Appendix C, 2013 and 2014 Save the Sound and Westchester County Department of Health Water Samples

The Village, ARCADIS, and Save the Sound coordinated sampling locations and areas of investigation to compliment the work completed and not duplicate efforts. Save the Sound collected five samples between August 6, 2014 and September 3, 2014 in front of the Rye Neck High School, which is located at the Village's east boarder. The fecal coliform concentrations ranged from 800 CFU\100 ml to 15,000 CFU\100 ml in the stream.

The samples collected by the Westchester County DOH in 2014 at the confluence of Beaver Swamp Brook and Mamaroneck Harbor showed elevated enterococcus, supporting the results of Save the Sound and ARCADIS. The average concentration was 1766 CFU\100 ml, and the maximum concentration was 12,400 cfu\100 ml..

2.1.2 Results and Recommendations:

The analytical results from both Save the Sound and ARCADIS indicate that the Brook contains high fecal coliform concentrations at the Rye Neck High School, which is located at the Village's east border. Additional sampling should be conducted in the Brook, both upstream of the Rye Neck High School and the Village border, and just downstream of the High School. If the sample results show that the High School is not the source of the illicit discharge, then the illicit discharge is likely coming from upstream municipalities.

To the east of the Village, the Brook is the southern border for the Town of Harrison and the northern border for the City of Rye. Save the Sound collected samples in the Brook at Greenwood Cemetery, which is located over 1.5 miles upstream of the Rye Neck High School and the Village border. These samples were collected the same day as those adjacent to the school, where the concentrations of those samples were much lower. This suggests that, if the source of the illicit discharges is not Rye Neck High School, there are illicit discharges entering the Brook from the City of Rye and/or Town of Harrison.

All of the outfalls in the Beaver Swamp Brook have been visually inspected by ARCADIS and outfalls with dry weather flow have been sampled. Until the significant upgradient sources are corrected, the fecal coliform concentrations in the Brook cannot



be used to indicate if there are any additional sources of illicit discharges coming from the Village in the Beaver Swamp Brook corridor.

The Village should continue investigations in the sewershed of the outfalls VJ-58 and VJ-04 to determine the sources of fecal coliform bacteria so they can be eliminated. However, although these two outfalls had elevated concentrations, they are still relatively low. The Village should continue to monitor the outfalls in this drainage basin for signs of illicit discharges, and collect samples as-needed when an illicit discharge is suspected.

2.2 Otter Creek Investigation

Water samples collected by the Westchester County Department of Health in the summer of 2013 at the Shore Acres Beach Club beach showed high enterococcus concentrations. Additional sampling and investigation in the area uncovered a broken force main belonging to the Mamaroneck Boat and Yacht Club that was discharging sewerage to Otter Creek, which flows into the Mamaroneck Harbor in the area of the beach. The force main was repaired and the initial post-repair sampling showed a significant decrease in enterococcus concentrations. The force main is located at the confluence of the Creek to the Harbor.

The Village requested additional follow-up sampling to determine if there are other sources of fecal coliform pollution in the storm sewers in the immediate vicinity of Shore Acres Beach Club beach, including Alda Road and Shore Acres Road.

ARCADIS collected two samples from Otter Creek upstream of the Mamaroneck Boat and Yacht Club force main that was recently repaired and two samples downstream of the force main. The inspection team also inspected the outfalls along Alda Road. Table 2-3 shows the results of the sample effort. Appendix B provides Field Notes and Photos.

**Table 2-3 - Beaver Swamp Brook Sampling Results – April 2014**

Sample ID	Collection Date	Average Fecal Coliform
SHB (Downstream of Mamaroneck Beach and Yacht Club)	4/21/2014	<100 CFU/100ml
OC_Barry (Upstream of Mamaroneck Beach and Yacht Club)	4/21/2014	300 CFU/100ml

2.2.1 Samples Collected by Save the Sound and Westchester County Department of Health:

As with Beaver Swamp Brook, the Village coordinated sampling efforts with Save the Sound. Locations and areas of investigation were selected to compliment the work completed and not duplicate efforts. Save the Sound collected samples in Otter Creek in July and August of 2014, the results are presented graphically in Figure 2 in Appendix C, 2013 and 2014 Save the Sound and Westchester County Department of Health Water Samples.

Two samples were collected upstream at the South Barry Avenue Bridge (R-OC.18). The fecal coliform concentrations from the two samples collected were 50 CFU/100ml and 720 CFU/100ml.

Sample location B-SA is downstream of the Mamaroneck Boat and Yacht Club and the repaired force main. Five samples were collected and analyzed for fecal coliform at this location. The concentrations for the five samples collected in July and August were eight CFU/100ml; 100 CFU/100ml; 104 CFU/100ml; 1060 CFU/100ml; and 4300 CFU/100ml. The two elevated results were collected after heavy rain events, 1.73 inches of rain within 48 hours, and 3.19 inches of rain within 48 hours.

The samples collected by the Westchester County Department of Health in 2014 at the confluence of Otter Creek with the Mamaroneck Harbor showed a low average enterococcus concentration during dry weather conditions, which strongly suggests the repair to the force main has held up and is not leaking. There were two samples with high concentrations amongst the twenty samples that were collected; these were collected after a rain event (2,000 CFU/100ml and 10,200 CFU/100ml).



2.2.2 Results and Recommendations:

Since the elevated concentrations were not observed during the dry weather sampling events, there is no evidence that the force main repair is leaking. However, additional samples should be collected in this Creek to find the source(s). In addition, ARCADIS received information from residents in the fall of 2014 regarding suspected illicit discharges observed during kayaking on Otter Creek. It is recommended that further investigations occur upstream of the force main including outfall inspections and sampling.

2.3 Outfall Inspections

ARCADIS has visited nearly all known Village outfalls and inspected them for illicit discharges; most of these inspections were completed in 2014. During this process, the field team walked through the stream corridors and performed a GPS survey of any newly identified outfalls, so they could be mapped. Approximately 15 outfalls still require inspection, which will be completed in 2015.

The outfalls were categorized as system outfalls, property outfalls, or culvert outfalls. System outfalls are outlets of a storm drain system that consists of multiple catch basins, pipes and manholes; property outfalls discharge storm water from a single parcel of land, and a culvert outfall is the discharge end of a single culvert pipe. This outfall classification was done to assist in future inspections and investigations to locate the sources of illicit discharges.

Of the outfalls that were inspected in 2014, 25 outfalls had flow during dry weather conditions. The water discharging from most of these outfalls was clear and there was no obvious illicit discharge identified. This flow is most often due to groundwater infiltration, but was tested to confirm fecal coliform concentrations were low.

Outfall locations were updated in the Village GIS and a Microsoft Access database was developed to store and manage inspection reports and photos. The outfall locations inspected are displayed on Figure 1 in Appendix A, 2014 Outfall and Stream Samples. A complete set of the outfall inspection reports have been included as Appendix D, Outfall Inspection Reports.

2.3.1 Results and Recommendations:

The results of the samples collected in 2014 are shown in Table 2-4. Although the results showed some elevated fecal coliform concentrations that will require follow-up investigations, the concentrations were generally low and/or there was not a high



rate of dry weather flow. ARCADIS has been investigating the sewersheds that drain to the outfalls with elevated fecal coliform. Additional samples have been collected to isolate the problem and building plumbing is being dye tested to locate the sources. ARCADIS will continue the investigation in 2015.

There were two outfalls thought to be in the Village of Mamaroneck, but upon further investigation, they are in the Town of Harrison. The samples from these two locations both had significant fecal coliform concentrations, one at 116,000 CFU/100 ml and one >200,000 CFU/100 ml. The Village has contacted the Town to make them aware of these locations.

3.0 Geographic Information System (GIS) Map Development

The Village had multiple GIS layers of stormwater outfalls from historical projects through the years; each of these files having some unique outfall locations and/or data. ARCADIS combined these files and then field verified the locations of the outfalls, deleting duplicates or outfalls that did not exist. Each outfall was inspected and the inspection information was entered into a Microsoft Access database. The inspector recorded design characteristics, outfall condition, and any signs of illicit discharge. A CD containing a copy of the revised GIS files is provided in Appendix E – GIS and Database Files.

The results of the water samples collected at outfalls and in the streams are also recorded in GIS. Figure 1 in Appendix A, 2014 Outfall and Stream Samples, shows the location of the storm water outfalls, and the results of the sampling completed by ARCADIS in 2014. Figure 2 in Appendix B, 2013 and 2014 Save the Sound and Westchester County Department of Health Water Samples, shows the locations and results of the sampling completed by Save the Sound and Westchester County Department of Health in 2013 and 2014. A CD containing a copy of the GIS files is provided in Appendix E – GIS and Database Files.

4.0 Fayette Avenue Outfall (VF 16)

During the previous assignment, the Village asked ARCADIS to locate and inspect the outfall on Fayette Avenue that discharges to the Sheldrake River to determine if illicit discharges were occurring. This outfall is adjacent to a transfer station and down gradient from the Village Department of Public Works (DPW), as well as businesses.

The outfall (outfall VF16) was first inspected and sampled on June 24, 2013. During the outfall inspection, petroleum odors were detected and orange and white staining



was observed on the discharge pipe. The sample was analyzed with an organic pollutant fluorimeter and the results showed high fluorescence, which indicates a potential illicit discharge is present. The Village tasked ARCADIS to perform an inspection of the transfer station and storm sewer system to determine if there were any additional signs that illicit discharges were occurring.

ARCADIS visited the privately owned Recycling Industries Transfer Station, LLC on Fayette Avenue on August 6, 2014. ARCADIS met with David Waters, Jr, the Transfer Station Manager, and he explained how water was managed at the facility and provided a tour of the building. Vehicles hauling waste park outside of the facility and wait for access to the building. The vehicles back up into the building and dump the contents within the building. Berms direct the waste liquids to drains which discharge to holding tanks under the facility. One holding tank is located directly under the unloading area for the semi-trucks. Two others are located near the waste staging area in the back of the garage. There is a primary holding tank under the waste pile, and a secondary sanitary tank behind the waste pile, at a lower elevation, to catch any excess liquid from the primary tank. The holding tanks pump to the sanitary sewer system and the berms and drains effectively keep the waste liquid inside the building.

There are curtain drains located outside of the facility at the end of Fayette Avenue. These drains are located just outside of the facility where the vehicles park and enter the facility. There is some evidence of grease and residue on the asphalt from the hauled waste. There is an outfall to the Sheldrake River approximately 20 feet from these drains, on the opposite side of a curbed area. There was a concern that these curtain drains were discharging storm water that had picked up oils and grease from the area outside the Transfer Station, so these curtain drains were dye tested. The Village jetter truck was used to add water to the curtain drains and ARCADIS added sewer dye. The outfall and the sanitary sewer were both observed by ARCADIS staff during the test. The dyed water was not observed at the outfall, but was observed in the sanitary sewer, which proved the curtain drains were appropriately plumbed to the sanitary sewer.

The Village DPW Garage has small drainage basins in the center of each building. Dye was added to one of the catch basins in a garage bay and was observed discharging to the sanitary sewer manhole, as appropriate. The sanitary sewer manholes and the storm drain manholes were inspected and the small diameter floor drain pipes were observed entering the sanitary sewer manhole. The storm drain manholes were inspected and there were no unaccounted for pipes connected to the structure, nor



signs of potential illicit discharges. Appendix F, Fayette Avenue Outfall provides a map showing the drainage from this area and photos taken during the inspection.

An outfall that is downgradient from these facilities on Fayette Avenue is constantly flowing, even during dry weather conditions. The only source of inflow observed during the investigation was from a pipe that reportedly discharges groundwater from around the transfer station. The flow from the outfall was sampled and the results showed a low fecal coliform concentration of 300 CFU/100 ml. The plumbing was appropriately connected to the sanitary sewer and the fecal coliform concentrations were low. No additional investigation is recommended at this time, based on the results of the investigation and sample collected.

5.0 As-Needed Illicit Discharge Detection and Elimination Assistance

ARCADIS provided as-needed technical assistance during the year in support of the Village's IDDE program. This included office and field services to sample and/or investigate potential illicit discharges identified by concerned citizens, meeting with and responding to questions from concerned citizens regarding potential illicit discharges, and meeting with and corresponding with regulatory agencies to answer questions and provide updates regarding the Village's IDDE program.



Appendix A

2014 Outfall and Stream Sample Map





Appendix **B**

2013 and 2014 Save the Sound and
Westchester County Department of
Health Water Sample Map



ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

VILLAGE OF MAMARONECK
MAMARONECK, NY

2013 AND 2014 SAVE THE SOUND AND
WESTCHESTER COUNTY DEPARTMENT OF HEALTH
WATER SAMPLES





Appendix C

Outfall inspection Reports

OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	31	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KCH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:07	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 1,2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Wet
Flow (gpm)	na
Determination:	na

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>38a</u>	Diameter (in)	<u>12</u>	Outfall Type	<u>Culvert</u>
Material	<u>RCP</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>KMR</u>	Air Temperature (F)	<u>80</u>	INSPECTION EVENT COMMENTS <u>Under bridge</u>
Date	<u>8/6/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>3:11</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	
			Photo Numbers.....	<u>3,4</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Unlikely</u>

FLOW

Flow Description	<u>dry</u>
Flow (gpm)	<u>0</u>
Determination:	<u>0</u>

FIELD PARAMETERS

Sample Temperature (F) ...	<u></u>
Sample pH	<u></u>
Sample Ammonia (mg/mL) ..	<u></u>

DISCHARGE CHARACTERISTICS

Color	<u></u>	Turbidity	<u></u>	Flow Line	<u></u>
Color Strength	<u></u>	Floatables (Suds)	<u></u>	Abnormal Vegetation ...	<u></u>
Odor Type	<u></u>	Floatables (Sewage)	<u></u>	Bacteria Growth	<u></u>
Odor Severity	<u></u>	Floatables (Oil)	<u></u>		

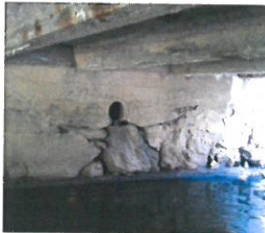
POOL QUALITY

Color	<u></u>	Suds	<u></u>
Color Strength	<u></u>	Oil Sheen	<u></u>
Odor	<u></u>	Algae	<u></u>
Odor Severity	<u></u>		

POOL QUALITY COMMENTS

<u></u>

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	38b	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Sheldrake River		Culvert
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KCH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS Under bridge
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:00PM	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 5,6

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	32	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	Property	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KCH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:24	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 7,8

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	VF 17	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KA	Air Temperature (F)	80	INSPECTION EVENT COMMENTS
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:30	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 9,10

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	More than trickle
Flow (gpm)	1-2
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	40a	Diameter (in)	12	Outfall Type	
Material	12	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KCH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS End is broken off, Just to one section
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 11,12

ASSESSMENT

Structural Condition	Fair
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	34	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:41	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 13,14

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

☒ Display Multiple Images



OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vf 16	Diameter (in)	18	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS Couata Transfer Station
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:45	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	15,16,17

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	
Flow (gpm)	Trickle
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS Yellow, Orange, Brown staining
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	37	Diameter (in)	6	Outfall Type	Property
Material	PVC	Waterbody	Sheldrake River		
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS Sediment in the pipe	
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	4:00	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	18,19

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	46a	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS	End broken off; still functioning
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	4:07	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	20,21

ASSESSMENT

Structural Condition	Fair
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>38</u>	Diameter (in)	<u>8</u>	Outfall Type	<u>Culvert</u>
Material	<u>Metal</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>KCH</u>	Air Temperature (F)	<u>80</u>	INSPECTION EVENT COMMENTS
Date	<u>8/6/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>4:11</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	
			Photo Numbers.....	<u>22,23</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Unlikely</u>

FLOW

Flow Description	<u>Wet</u>
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	39	Diameter (in)	18	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS	
Date	8/6/2014	Rainfall, Past 24 hrs (in) ..	0	Commercial area	
Time	4:16	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	24,25

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 70	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	Slightly		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	Suds are naturally occurring	
Time	10:30	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	49,50

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Trickle	Sample Temperature (F) ...	
Illicit Discharge Potential	Potential	Flow (gpm)	1,2	Sample pH	
		Determination:	Bucket Test	Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	None	Flow Line	None
Color Strength	None	Floatables (Suds)	Suds	Abnormal Vegetation ...	None
Odor Type	None	Floatables (Sewage)	None	Bacteria Growth	None
Odor Severity	None	Floatables (Oil)	None		

POOL QUALITY

Color	No-Clear	Suds	None	POOL QUALITY COMMENTS	
Color Strength	None	Oil Sheen	None	Previously labeled 25, and OF51	
Odor	None	Algae	None		
Odor Severity	None				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	48a	Diameter (in)	24	Outfall Type	
Material	Metal	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:45	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 51,52

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Wet
Flow (gpm)	N/A
Determination:	N/A

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	116	Diameter (in)	15 & 4	Outfall Type
Material	RCP & DI	Waterbody	Mamaroneck River	System Outfall
Shape	Circular	Submerged in Water	No	
Quantity	2	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS Bridge Drainage - NUCC
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:45	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 53,54

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	None
Flow (gpm)	N/A
Determination:	N/A

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	26	Diameter (in)	32	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:50	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	55,56

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Minimal/None

FLOW

Flow Description	Trickle
Flow (gpm)	< 1
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength	N/A	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	N/A	Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	115	Diameter (in)	4	Outfall Type	
Material	DI/Metal	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:00	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	57,58

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 30	Diameter (in)	4	Outfall Type	
Material	DI/Metal	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 59,60

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	113	Diameter (in)	2	Outfall Type	
Material	DI/Metal	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 61,62

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 46	Diameter (in)	24	Outfall Type	
Material	PVC?	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 63,64

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	None
Flow (gpm)	None
Determination:	None

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Cloudy-White	Suds	None
Color Strength	1-Faint	Oil Sheen	None
Odor	None	Algae	None
Odor Severity	None		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	60	Diameter (in)	12	Outfall Type	
Material	PVC	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 65,66

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	None
Determination:	None

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 46a	Diameter (in)	4	Outfall Type	
Material	Plastic	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	Corregated Shape	
Time	11:45	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	67,68

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	33a	Diameter (in)	12	Outfall Type	
Material	VCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	Slightly		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	Cracked at end, Fair condition
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	12:20	Rainfall, Past 48 hrs (in) ..	0		

Photo Numbers..... 69,70

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	None
Flow (gpm)	None
Determination:	None

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 72	Diameter (in)	12	Outfall Type	
Material	VCP	Waterbody	Sheldrake River	System Outfall	
Shape	Cicular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	77	INSPECTION EVENT COMMENTS	
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	12:40P	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	71,72

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vn 1	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide outfall		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	80	INSPECTION EVENT COMMENTS	
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	1:53	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	73,74

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Steady	Sample Temperature (F) ...	
Illicit Discharge Potential	Potential	Flow (gpm)	2,3	Sample pH	
		Determination:	Eye	Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength	None	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)		Bacteria Growth	
Odor Severity	None	Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vn 8	Diameter (in)	11	Outfall Type	
Material	PVC	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	80	INSPECTION EVENT COMMENTS Muscle shells partially clog pipe
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:55	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	75,76

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Steady
Flow (gpm)	1
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	No
Odor Type	None	Floatables (Sewage)		Bacteria Growth	Algae along flow line
Odor Severity	None	Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	28A	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide outfall		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 84,85

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Steady
Flow (gpm)	1
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	No
Odor Type		Floatables (Sewage)		Bacteria Growth	Algae covered whole
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

Sunken seaweed all in pool

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	VK 49	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	78	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:30	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 86,87

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Steady
Flow (gpm)	3-4
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	No
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	No
Odor Type		Floatables (Sewage)		Bacteria Growth	No
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	No	Suds	No
Color Strength		Oil Sheen	No
Odor		Algae	No
Odor Severity			

POOL QUALITY COMMENTS

Seaweed present

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	VK 56	Diameter (in)	36	Outfall Type	
Material	RCP w/visible metal wiring	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	78	INSPECTION EVENT COMMENTS	
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	Break in pipe 1ft in length	
Time	2:40	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	88,89

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Steady
Flow (gpm)	3
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)	Natural	Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	No
Color Strength		Oil Sheen	No
Odor		Algae	No
Odor Severity			

POOL QUALITY COMMENTS

Seaweed

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	VK 75A	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	At high tide		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JL	Air Temperature (F)	80	INSPECTION EVENT COMMENTS Photo Numbers..... 90,91
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:00	Rainfall, Past 48 hrs (in) ..	0	

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Steady
Flow (gpm)	1
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	No
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	No
Odor Type		Floatables (Sewage)		Bacteria Growth	No
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds		POOL QUALITY COMMENTS Seaweed
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 22	Diameter (in)	36	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 676, 677

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Light Flow
Flow (gpm)	1, 2
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	None	Flow Line	None
Color Strength	None	Floatables (Suds)	None	Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)	None	Bacteria Growth	
Odor Severity	None	Floatables (Oil)	None		

POOL QUALITY

Color	None	Suds	None
Color Strength	None	Oil Sheen	None
Odor	None	Algae	None
Odor Severity	None		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>Ve 49</u>	Diameter (in)	<u>48?</u>	Outfall Type	<u>System Outfall</u>
Material	<u>RCP</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>ET</u>	Air Temperature (F)	<u>75</u>	INSPECTION EVENT COMMENTS
Date	<u>8/7/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>11:25</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	
			Photo Numbers.....	<u>678, 679</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Unlikely</u>

FLOW

Flow Description	<u>Trickle</u>
Flow (gpm)	<u>< 1</u>
Determination:	<u>No</u>

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	<u>Clear</u>	Turbidity		Flow Line	
Color Strength	<u>None</u>	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	<u>None</u>	Floatables (Sewage)		Bacteria Growth	
Odor Severity	<u>None</u>	Floatables (Oil)			

POOL QUALITY

Color	<u>Clear</u>	Suds	<u>None</u>
Color Strength	<u>None</u>	Oil Sheen	<u>None</u>
Odor	<u>None</u>	Algae	<u>None</u>
Odor Severity	<u>None</u>		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 44	Diameter (in)	48 ?	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	KH	Air Temperature (F)	80	INSPECTION EVENT COMMENTS
Date	8/7/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:41	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	Ve 44

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Light
Flow (gpm)	5
Determination:	eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

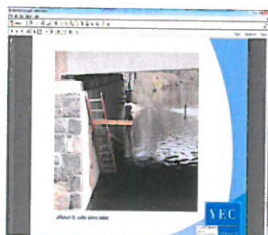
DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	No	Flow Line	
Color Strength		Floatables (Suds)	Some natural	Abnormal Vegetation ...	no
Odor Type	No	Floatables (Sewage)	no	Bacteria Growth	no
Odor Severity		Floatables (Oil)	no		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-01	Diameter (in)	18	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	7:55	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-01, BSB-01-02

ASSESSMENT

Structural Condition	Good
Operational Condition	Unkonwn
Illicit Discharge Potential	Low

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	light brown	Suds	
Color Strength		Oil Sheen	gray sheen
Odor	None	Algae	
Odor Severity			

POOL QUALITY COMMENTS

Buildup of decayed leaves

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-02	Diameter (in)	18	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	Partially		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:05	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-02

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	low

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	gray	Suds	none
Color Strength	light	Oil Sheen	gray organic
Odor	non	Algae	
Odor Severity			

POOL QUALITY COMMENTS

Decaying leaves around

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-03	Diameter (in)	24	Outfall Type	
Material	Corrugated Metal	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	Partially		
Quantity		Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:10	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-03-02, BSB-03-

ASSESSMENT

Structural Condition	
Operational Condition	Poor
Illicit Discharge Potential	Possible

FLOW

Flow Description	trickle
Flow (gpm)	< 1
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	None	Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)		Bacteria Growth	None
Odor Severity		Floatables (Oil)			

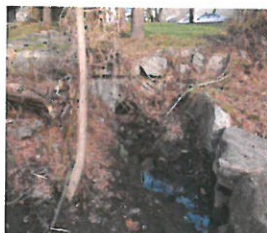
POOL QUALITY

Color		Suds	light
Color Strength		Oil Sheen	gray and rainbow
Odor	None	Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-04	Diameter (in)	24	Outfall Type	
Material	Corrugated Metal	Waterbody	Beaver Swamp Brook	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-04

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Low

FLOW

Flow Description	NA
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

POOL QUALITY COMMENTS

Direct drainage from parking lot

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-05	Diameter (in)	12	Outfall Type	Property
Material	Clay	Waterbody	Beaver Swamp Brook		
Shape	Circular	Submerged in Water	N/A		
Quantity		Submerged in Sediment	80% Filled		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:25	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-05

ASSESSMENT

Structural Condition	Blocked
Operational Condition	Poor
Illicit Discharge Potential	Low

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	light
Color Strength		Oil Sheen	organic sheen
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

Blocked by rock, causing sediment buildup

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-06	Diameter (in)	18	Outfall Type	
Material	Corrugated Metal	Waterbody	Beaver Swamp Brook	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	Yes ~75%		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:35	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-06

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	low

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	N/A	Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

Corroded pipe, infilled with sediment. St line outfall @ Hornidge St

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-11	Diameter (in)	18	Outfall Type	
Material	Cement	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	Partial		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:05	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-11

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	light
Flow (gpm)	500 ml/sec
Determination:	timed fill of bottle

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	none	Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	no
Odor Type	none	Floatables (Sewage)		Bacteria Growth	none
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	clear	Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor	none	Algae		
Odor Severity				

POOL QUALITY COMMENTS

of from road on map

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-14	Diameter (in)	24	Outfall Type	
Material	Corrugated Metal	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

INSPECTION EVENT COMMENTS

Inspector	MV	Air Temperature (F)			
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	9:20	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	BSB-14

ASSESSMENT

FLOW

FIELD PARAMETERS

Structural Condition	Good	Flow Description	None	Sample Temperature (F) ...	
Operational Condition	Good	Flow (gpm)		Sample pH	
Illicit Discharge Potential	low	Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

POOL QUALITY COMMENTS

Color		Suds			of on map from St line
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-20	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Wall face below OF wet; Flow may be out of face as well; Pipe may leak a few feet into the wall
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-20

ASSESSMENT

Structural Condition	Fair
Operational Condition	Fair
Illicit Discharge Potential	Possible

FLOW

Flow Description	trickle
Flow (gpm)	< 1
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Moss
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-21	Diameter (in)		Outfall Type	
Material	Concrete	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	~ 90%		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS On Shore Acre Drive; Pipe in drainage basin appears capped
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:45	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....			BSB-21	

ASSESSMENT

Structural Condition	Good
Operational Condition	Poor
Illicit Discharge Potential	low

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-22	Diameter (in)	12	Outfall Type	
Material	Metal	Waterbody	Otter Creek	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:55	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-22-1,BSB-22-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Good

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

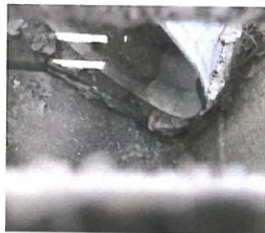
Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

Shore Acre Dr. farthest north, inspection from catchment basins, no flow.

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-23	Diameter (in)	10	Outfall Type	
Material	PVC	Waterbody	Mamaroneck Harbor	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0		Drains from Alda Rd
Time	9:40	Rainfall, Past 48 hrs (in) ..	0		Photo Numbers.....

BSB-23-1, BSB-23-2

ASSESSMENT

Structural Condition	Good	FLOW	Flow Description	Steady	FIELD PARAMETERS	
Operational Condition	Good		Flow (gpm)	500ml/ 15 sec	Sample Temperature (F) ...	
Illicit Discharge Potential			Determination:		Sample pH	

Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	no	Flow Line	
Color Strength		Floatables (Suds)	no	Abnormal Vegetation ...	algae
Odor Type	None	Floatables (Sewage)	no	Bacteria Growth	no
Odor Severity		Floatables (Oil)	no		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vc 17	Diameter (in)	18	Outfall Type	
Material	Cement	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	Yes 50%		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

INSPECTION EVENT COMMENTS

Inspector	MV	Air Temperature (F)		
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:55	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	Vc-17, Vc-17-2

ASSESSMENT

FLOW

FIELD PARAMETERS

Structural Condition	Good	Flow Description	partial	Sample Temperature (F) ...	
Operational Condition	Good	Flow (gpm)	unkonwn	Sample pH	
Illicit Discharge Potential	Possible	Determination:	visual	Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

POOL QUALITY COMMENTS

Color		Suds		submerged, but flow visible with leaves from far up pipe
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vc 18	Diameter (in)	18	Outfall Type	
Material	Cement	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	Yes 95%		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

INSPECTION EVENT COMMENTS

Inspector	MV	Air Temperature (F)		
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... Vc-18

ASSESSMENT

FLOW

FIELD PARAMETERS

Structural Condition	Good	Flow Description	Unknown	Sample Temperature (F) ...	
Operational Condition	Good	Flow (gpm)		Sample pH	
Illicit Discharge Potential	Possible	Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

POOL QUALITY COMMENTS

Color		Suds		Some growth ds of, @short st bridge
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 02	Diameter (in)	18	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:00	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	Vj-02

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	low

FLOW

Flow Description	none
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

pipe has 5% uphill slope for ~10' into pipe.
Clay sections separated, will pool drain into ground during low flow times

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 04	Diameter (in)	5' Width	Outfall Type
Material	Cement	Waterbody	Beaver Swamp Brook	System Outfall
Shape	rectangular	Submerged in Water	Yes	
Quantity		Submerged in Sediment	No	

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:50	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... Vj-04

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	Not Visual
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	unknown	Suds	yes
Color Strength		Oil Sheen	no
Odor		Algae	no
Odor Severity			

POOL QUALITY COMMENTS

suds tapped by wind tide coming in, can hear flow from within outfall, will need to return and measure from US MH

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 60	Diameter (in)	12	Outfall Type	
Material	PVC	Waterbody	Otter Creek	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	PVC exits behind houses on street	
Time	11:45	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	Vj-60

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	None	Sample Temperature (F) ...	
Illicit Discharge Potential	low	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 61	Diameter (in)	12	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	Partially		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	11:05	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	Vj-61-2, Vj-61-3

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	possible

FLOW

Flow Description	steady
Flow (gpm)	~ 5
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	None	Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	MV light	Floatables (Sewage)		Bacteria Growth	Some
Odor Severity	MV	Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	yes
Color Strength		Oil Sheen	no
Odor		Algae	yes
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 63	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck Harbor	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	inspected at us culvert	
Time	12:25	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	Vj 63

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	

FLOW

Flow Description	steady
Flow (gpm)	~ 10
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 65	Diameter (in)	12	Outfall Type	
Material	PVC	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	Fully		
Quantity		Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:55	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... Vj-65

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	steady
Flow (gpm)	~ 6
Determination:	visual in catchnet basi

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	none	Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	MV
Odor Type	none	Floatables (Sewage)		Bacteria Growth	
Odor Severity	none	Floatables (Oil)			

POOL QUALITY

Color	clear	Suds	no
Color Strength		Oil Sheen	no
Odor	no	Algae	yes
Odor Severity	no		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-26	Diameter (in)	10	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	Partial		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Has a back flow prevention valve, Blocked by sediment
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:16	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-26

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	Low

FLOW

Flow Description	N/A
Flow (gpm)	N/A
Determination:	Visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-27	Diameter (in)	10	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:20	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-27-1, BSB-27-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Low

FLOW

Flow Description	Wet
Flow (gpm)	Dripping
Determination:	Visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor	None	Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-28	Diameter (in)	12	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	Property	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-28

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	Steady
Flow (gpm)	500mL/78sec
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae
Odor Type	none	Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-29	Diameter (in)	12	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Line apperas abandoned filled with bricks and cement, but cracked and leaking
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:47	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				BSB-29

ASSESSMENT

Structural Condition	Damaged
Operational Condition	Poor
Illicit Discharge Potential	Likely

FLOW

Flow Description	Steady
Flow (gpm)	500mL/22sec
Determination:	Stopwatch

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae
Odor Type	No	Floatables (Sewage)		Bacteria Growth	High
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 54a	Diameter (in)	18	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Flow measurement taken from upstream manhole, 7 ft in, pipe is seperated. Water drains into wall face
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:33	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... VJ-54a

ASSESSMENT

Structural Condition	Poor
Operational Condition	Good
Illicit Discharge Potential	Likely

FLOW

Flow Description	Steady
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 57	Diameter (in)	18	Outfall Type	
Material	PVC	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:26	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... VJ-57

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Low

FLOW

Flow Description	wet
Flow (gpm)	dripping
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae
Odor Type	None	Floatables (Sewage)		Bacteria Growth	None
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 58	Diameter (in)	18	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		ST line from Lawn Terrace	
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	11:51	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	VJ-58

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Possible

FLOW

Flow Description	Steady
Flow (gpm)	500mL/3sec
Determination:	stopwatch

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae
Odor Type	None	Floatables (Sewage)		Bacteria Growth	Light
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	3	Diameter (in)	28	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	35	INSPECTION EVENT COMMENTS
Date	3/14/2013	Rainfall, Past 24 hrs (in) ..	0	
Time	7:05	Rainfall, Past 48 hrs (in) ..	0.69	
Photo Numbers.....				3-1,3-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Good

FLOW

Flow Description	Sl. Drip
Flow (gpm)	< 1
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Grey	Turbidity	0	Flow Line	N/A
Color Strength	Weak	Floatables (Suds)	0	Abnormal Vegetation ...	N/A
Odor Type	Mild Sewage	Floatables (Sewage)	0	Bacteria Growth	Slight
Odor Severity	Mild	Floatables (Oil)	0		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 52	Diameter (in)	24	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	N/A		
Quantity	1	Submerged in Sediment	N/A		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	35	INSPECTION EVENT COMMENTS Identified as 10 in Outfalls with Dry Weather Discharge
Date	3/4/2013	Rainfall, Past 24 hrs (in) ..	0	
Time	9:40	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Stong

FLOW

Flow Description	Moderate
Flow (gpm)	5
Determination:	Potential

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	No	Flow Line	Yes
Color Strength	N/A	Floatables (Suds)	N/A	Abnormal Vegetation ...	No
Odor Type	N/A	Floatables (Sewage)	N/A	Bacteria Growth	Yes
Odor Severity	N/A	Floatables (Oil)	N/A		

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	26	Diameter (in)	24	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	N/A		
Quantity	1	Submerged in Sediment	N/A		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	35	INSPECTION EVENT COMMENTS
Date	3/4/2012	Rainfall, Past 24 hrs (in) ..	0.04	
Time	10:30	Rainfall, Past 48 hrs (in) ..	0.31	

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Strong

FLOW

Flow Description	Moderate
Flow (gpm)	20
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	N/A	Flow Line	Yes
Color Strength		Floatables (Suds)	N/A	Abnormal Vegetation ...	N/A
Odor Type	N/A	Floatables (Sewage)	N/A	Bacteria Growth	Yes
Odor Severity	N/A	Floatables (Oil)	N/A		

POOL QUALITY

Color	Clear	Suds	N/A
Color Strength		Oil Sheen	N/A
Odor	N/A	Algae	N/A
Odor Severity	N/A		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	5	Diameter (in)	18	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	circular	Submerged in Water	No		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	56	INSPECTION EVENT COMMENTS Sample collected over a period of 24 hrs from dripping flow.
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	9:35	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	4-1,4-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Obvious

FLOW

Flow Description	Drip
Flow (gpm)	N/A
Determination:	Visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Gray	Turbidity	Cloudy	Flow Line	
Color Strength	Clearly visible in bottle	Floatables (Suds)	None	Abnormal Vegetation ...	
Odor Type	Rancid/Sewage	Floatables (Sewage)	Moderate	Bacteria Growth	
Odor Severity	Severe	Floatables (Oil)	None		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS No pooling observed
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	4	Diameter (in)	18	Outfall Type	
Material	concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	circular	Submerged in Water	No		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Protruding pipe has a cracked/missing bottom
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	10:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 5-1,5-2

ASSESSMENT

Structural Condition	Fair
Operational Condition	Fair
Illicit Discharge Potential	Potential

FLOW

Flow Description	Trickle
Flow (gpm)	0.5
Determination:	Bucket

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	clear	Flow Line	none
Color Strength	clear	Floatables (Suds)	none	Abnormal Vegetation ...	none
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	none
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	clear	Suds	
Color Strength	clear	Oil Sheen	
Odor	none	Algae	
Odor Severity	none		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 52	Diameter (in)	24	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Identified as 10 in Outfalls with Dry Weather Discharge; Shifted at joints slightly. 6" steel pipe protruding next to outfall
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	10:05	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	trickle
Flow (gpm)	0.75
Determination:	bucket

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	clear	Flow Line	slight
Color Strength	clear	Floatables (Suds)	none	Abnormal Vegetation ...	none
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	gray
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	clear	Suds	
Color Strength	clear	Oil Sheen	
Odor	none	Algae	
Odor Severity	none		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	9	Diameter (in)	30	Outfall Type	
Material	concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	circular	Submerged in Water	No		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	62	INSPECTION EVENT COMMENTS Break in joint ~4' inside pipe. Substantial root growth
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	11:28	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 9-1,9-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	moderate
Flow (gpm)	3.75
Determination:	bucket

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	clear	Flow Line	none
Color Strength	clear	Floatables (Suds)	none	Abnormal Vegetation ...	roots
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	mild gray
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	clear	Suds		POOL QUALITY COMMENTS
Color Strength	clear	Oil Sheen		
Odor	none	Algae		
Odor Severity	none			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 60	Diameter (in)	18	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	62	Identified as 7 in Outfalls with Dry Weather Discharge; Pipe is dry. Slight staining in trough.
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	12:00	Rainfall, Past 48 hrs (in) ..	0	

INSPECTION EVENT COMMENTS

Photo Numbers..... 19-21

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	None

FLOW

Flow Description	Dry
Flow (gpm)	0
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>17</u>	Diameter (in)	<u>64</u>	Outfall Type	<u>Property</u>
Material	<u>Metal</u>	Waterbody	<u>Mamaroneck River</u>		
Shape	<u>Elliptical</u>	Submerged in Water	<u>Yes</u>		
Quantity	<u>single</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>JB/JC</u>	Air Temperature (F)	<u>62</u>	INSPECTION EVENT COMMENTS <u>Break in joint ~4' inside pipe. Substantial root growth</u>
Date	<u>10/22/2012</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>12:30</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	
			Photo Numbers.....	<u>17-1,17-2</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Potential</u>

FLOW

Flow Description	<u>Heavy</u>
Flow (gpm)	<u>see below</u>
Determination:	<u>velocity meter</u>

FIELD PARAMETERS

Sample Temperature (F) ...	<u></u>
Sample pH	<u></u>
Sample Ammonia (mg/mL)	<u></u>

DISCHARGE CHARACTERISTICS

Color	<u>clear</u>	Turbidity	<u>clear</u>	Flow Line	<u>yes</u>
Color Strength	<u>clear</u>	Floatables (Suds)	<u>mild</u>	Abnormal Vegetation ...	<u></u>
Odor Type	<u></u>	Floatables (Sewage)	<u>none</u>	Bacteria Growth	<u>mild gray</u>
Odor Severity	<u></u>	Floatables (Oil)	<u>none</u>		

POOL QUALITY

Color	<u></u>	Suds	<u></u>	POOL QUALITY COMMENTS <u></u>
Color Strength	<u></u>	Oil Sheen	<u></u>	
Odor	<u></u>	Algae	<u></u>	
Odor Severity	<u></u>			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 49	Diameter (in)	48	Outfall Type	
Material	Concrete	Waterbody			
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Grate collects debris and leaves; blocks flow. Used to be called 24
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	13:20	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	24-1,24-2

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS
Operational Condition	Good	Flow Description	moderate	Sample Temperature (F) ...
Illicit Discharge Potential	Potential	Flow (gpm)	4	Sample pH
		Determination:	bucket	Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	clear	Flow Line	yes
Color Strength	clear	Floatables (Suds)	none	Abnormal Vegetation ...	
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	gray	Suds	none	POOL QUALITY COMMENTS Leaves and debris in pool.
Color Strength	fair	Oil Sheen	none	
Odor	none	Algae	none	
Odor Severity	none			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	43	Diameter (in)	36	Outfall Type	
Material	Concrete	Waterbody	Sheldrake River	Property	
Shape	Circular	Submerged in Water	Yes		
Quantity	single	Submerged in Sediment	Yes		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	60	INSPECTION EVENT COMMENTS no flow. No sample collected
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	11:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 43-1,43-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	stagnant
Flow (gpm)	0
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	murky	Flow Line	none
Color Strength	none	Floatables (Suds)	none	Abnormal Vegetation ...	
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	brown	Suds	
Color Strength	mild	Oil Sheen	
Odor	none	Algae	
Odor Severity	none		

POOL QUALITY COMMENTS

leaves and debris

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>47</u>	Diameter (in)	<u>24</u>	Outfall Type	<u>Culvert</u>
Material	<u>CMP/Concrete</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>single</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>JB/JC</u>	Air Temperature (F)	<u>60</u>	INSPECTION EVENT COMMENTS <u>cement face is cracked and shifted. Pipe has break 18" in line</u>	
Date	<u>10/22/2012</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>		
Time	<u>11:45</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>		
				Photo Numbers.....	<u>47-1,47-2</u>

ASSESSMENT

Structural Condition	<u>Poor</u>
Operational Condition	<u>Poor</u>
Illicit Discharge Potential	<u>Potential</u>

FLOW

Flow Description	<u>trickle</u>
Flow (gpm)	<u>2.5</u>
Determination:	<u>bucket</u>

FIELD PARAMETERS

Sample Temperature (F) ...	<u></u>
Sample pH	<u></u>
Sample Ammonia (mg/mL)	<u></u>

DISCHARGE CHARACTERISTICS

Color	<u>clear</u>	Turbidity	<u>cloudy</u>	Flow Line	<u>none</u>
Color Strength	<u>none</u>	Floatables (Suds)	<u>none</u>	Abnormal Vegetation ...	<u>none</u>
Odor Type	<u>mildew</u>	Floatables (Sewage)	<u>none</u>	Bacteria Growth	<u>gray</u>
Odor Severity	<u>mild</u>	Floatables (Oil)	<u>none</u>		

POOL QUALITY

Color	<u>none</u>	Suds	<u></u>
Color Strength	<u>gray</u>	Oil Sheen	<u></u>
Odor	<u></u>	Algae	<u></u>
Odor Severity	<u></u>		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	55	Diameter (in)	15	Outfall Type	
Material	concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	circle	Submerged in Water	Yes		
Quantity	single	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	60	INSPECTION EVENT COMMENTS no flow; no sample collected.
Date	10/22/2012	Rainfall, Past 24 hrs (in) ..	0	
Time	12:15	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	55-1,55-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	stagnant
Flow (gpm)	0
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	brown	Turbidity	cloudy	Flow Line	none
Color Strength	mild	Floatables (Suds)	none	Abnormal Vegetation ...	none
Odor Type	none	Floatables (Sewage)	none	Bacteria Growth	none
Odor Severity	none	Floatables (Oil)	none		

POOL QUALITY

Color	brown	Suds	none
Color Strength	mild	Oil Sheen	none
Odor	none	Algae	none
Odor Severity	none		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 52	Diameter (in)	24	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	JB/JC	Air Temperature (F)	40	Identified as 10 in Outfalls with Dry Weather Discharge
Date	2/26/2010	Rainfall, Past 24 hrs (in) ..	1.84	
Time	2:30	Rainfall, Past 48 hrs (in) ..	2.13	
			Photo Numbers.....	10-1

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	High

FLOW

Flow Description	weak
Flow (gpm)	3
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	no	Flow Line	yes
Color Strength	clear	Floatables (Suds)	N/A	Abnormal Vegetation ...	no
Odor Type		Floatables (Sewage)	N/A	Bacteria Growth	yes
Odor Severity		Floatables (Oil)	N/A		

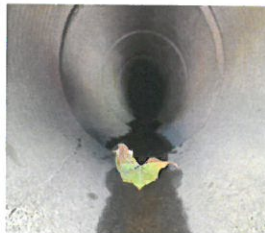
POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	17	Diameter (in)	*see previous	Outfall Type
Material	iron	Waterbody	Mamaroneck River	Property
Shape	Oblong	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	JC	Air Temperature (F)	35	INSPECTION EVENT COMMENTS
Date	2/26/2013	Rainfall, Past 24 hrs (in) ..	0	
Time	3:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers.....

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Slight

FLOW

Flow Description	strong
Flow (gpm)	50+
Determination:	visual

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	slight	Flow Line	yes
Color Strength	n/a	Floatables (Suds)	no	Abnormal Vegetation ...	no
Odor Type	none	Floatables (Sewage)	no	Bacteria Growth	slight
Odor Severity	n/a	Floatables (Oil)	no		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	26	Diameter (in)	30	Outfall Type	
Material	concrete	Waterbody	Mamaroneck River	System Outfall	
Shape	circular	Submerged in Water	0		
Quantity	1	Submerged in Sediment	0		

INSPECTION EVENT

Inspector	Jen/Jim	Air Temperature (F)	35	INSPECTION EVENT COMMENTS thick bacteria mat at base of inlet
Date	2/26/2013	Rainfall, Past 24 hrs (in) ..	0	
Time	11:30	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS
Operational Condition	Good	Flow Description	high	Sample Temperature (F) ...
Illicit Discharge Potential	Good	Flow (gpm)	15	Sample pH
		Determination:		Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	n/a	Flow Line	yes
Color Strength	n/a	Floatables (Suds)	n/a	Abnormal Vegetation ...	no
Odor Type	n/a	Floatables (Sewage)	n/a	Bacteria Growth	yes
Odor Severity	n/a	Floatables (Oil)	n/a		

POOL QUALITY

Color	clear	Suds	n/a	POOL QUALITY COMMENTS bacteria mat (gray)
Color Strength	clear	Oil Sheen	n/a	
Odor	n/a	Algae	n/a	
Odor Severity	n/a			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>31</u>	Diameter (in)	<u>12</u>	Outfall Type	<u>System Outfall</u>
Material	<u>Corrugated Metal</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u></u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>MV/BC</u>	Air Temperature (F)	<u>75</u>	INSPECTION EVENT COMMENTS <u>very little flow. Sampled using pipette to collect water from corrugated metal</u>
Date	<u>5/22/2013</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>4:00</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	

Photo Numbers.....

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u></u>

FLOW

Flow Description	<u>dripping</u>
Flow (gpm)	<u>1 drip/ 7 sec</u>
Determination:	<u></u>

FIELD PARAMETERS

Sample Temperature (F) ...	<u></u>
Sample pH	<u></u>
Sample Ammonia (mg/mL)	<u></u>

DISCHARGE CHARACTERISTICS

Color	<u></u>	Turbidity	<u></u>	Flow Line	<u></u>
Color Strength	<u></u>	Floatables (Suds)	<u></u>	Abnormal Vegetation ...	<u></u>
Odor Type	<u></u>	Floatables (Sewage)	<u></u>	Bacteria Growth	<u>yes</u>
Odor Severity	<u></u>	Floatables (Oil)	<u></u>		

POOL QUALITY

Color	<u></u>	Suds	<u></u>
Color Strength	<u></u>	Oil Sheen	<u></u>
Odor	<u></u>	Algae	<u></u>
Odor Severity	<u></u>		

POOL QUALITY COMMENTS

<u></u>

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vg 42	Diameter (in)	24	Outfall Type	
Material	Concrete	Waterbody			
Shape	Circular	Submerged in Water	Partially		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV/BC	Air Temperature (F)	75	INSPECTION EVENT COMMENTS Used to be called 30
Date	5/22/2013	Rainfall, Past 24 hrs (in) ..	0	
Time	3:50	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	30-1,30-2

ASSESSMENT

Structural Condition	Good	FLOW Flow Description	steady	FIELD PARAMETERS		
Operational Condition	Good		Flow (gpm)	5-10	Sample Temperature (F) ...	
Illicit Discharge Potential			Determination:		Sample pH	
					Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	clear	Turbidity	low	Flow Line	
Color Strength	weak	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	low	Floatables (Sewage)		Bacteria Growth	yes
Odor Severity	low	Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	16	Diameter (in)	12x24 in	Outfall Type
Material	Metal	Waterbody	Mamaroneck River	Property
Shape	Oval	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:10	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 884, 885

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 40	Diameter (in)	28	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	Yes		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:30	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 900, 901

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Partially Submerged
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 49	Diameter (in)		Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	Could not measure outfall diameter
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	1:46	Rainfall, Past 48 hrs (in) ..	0.11		

Photo Numbers..... 893, 893-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 48	Diameter (in)	12	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	1:45	Rainfall, Past 48 hrs (in) ..	0.11		

Photo Numbers..... 924

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 85a	Diameter (in)	15	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Sound	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	1:30	Rainfall, Past 48 hrs (in) ..	0.11		
				Photo Numbers.....	894

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 29	Diameter (in)	28	Outfall Type	
Material	CMP	Waterbody	Gedney Pond Stream	Sewer Inlet	
Shape	Circular	Submerged in Water	Partially		
Quantity	2	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	2 outfalls are located in the same area; Metal piping is corroding and cracking apart
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:30	Rainfall, Past 48 hrs (in) ..	0.11	
Photo Numbers.....				754, 755, 756

ASSESSMENT

Structural Condition	Poor
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Rusted
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

--

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 51a	Diameter (in)	28	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:30	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 766, 767

ASSESSMENT

Structural Condition		FLOW	Flow Description		FIELD PARAMETERS	Sample Temperature (F) ...	
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 28	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	63	INSPECTION EVENT COMMENTS Culvert goes into system outfall; Sewage in the street is the issue for residents that are tied into it. Gets clogged often during heavy rain	
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	10:00	Rainfall, Past 48 hrs (in) ..	0.11		
				Photo Numbers.....	880, 881

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 22b	Diameter (in)	24	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	63	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:41	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 878, 879

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Rusted
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 5	Diameter (in)	24	Outfall Type
Material	RCP	Waterbody	Mamaroneck River	System Outfall
Shape	Circular	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	61	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:38	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 748, 749

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 47	Diameter (in)	15	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	Bridge drain pipe connected w/ Ve85a	
Time	1:50	Rainfall, Past 48 hrs (in) ..	0.11	Photo Numbers.....	891, 891-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 51	Diameter (in)	36	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	Partially		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Was not shown on map; Given name Vh 51; Initially labeled "Photo 889" during site visit
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:40	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 889, 889-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 50	Diameter (in)	8	Outfall Type	
Material	Metal	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Not shown on map; Given name Vh 50; Initially labeled "Photo 888" during site visit
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:42	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 888, 888-2

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Drip
Flow (gpm)	<1
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

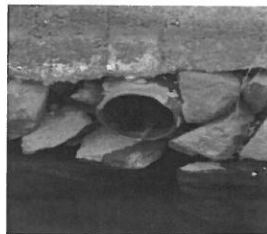
Color	Clear	Turbidity		Flow Line	Algae covered water
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)		Bacteria Growth	
Odor Severity	None	Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 51b	Diameter (in)		Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Rectangular	Submerged in Water	Yes		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	Was not on map. Originally labeled "Photo 764, 765." Relabeled Vd 51b
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:20	Rainfall, Past 48 hrs (in) ..	0.11	

INSPECTION EVENT COMMENTS

Photo Numbers..... 764, 764-2, 765

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Trickle
Flow (gpm)	1, 2
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Brown	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	Bad	Floatables (Sewage)		Bacteria Growth	
Odor Severity	Bad	Floatables (Oil)			

POOL QUALITY

Color	Light brown, clay	Suds	
Color Strength		Oil Sheen	
Odor	Yes	Algae	
Odor Severity	Bad		

POOL QUALITY COMMENTS

Smells like dead animals and other bad odors.

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Hs 18	Diameter (in)	16	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:35	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 746, 747

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-30	Diameter (in)		Outfall Type
Material		Waterbody	Mamaroneck Harbor	Property
Shape		Submerged in Water		
Quantity		Submerged in Sediment		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Unable to locate outfall; See pictures 895-899; Covered by wood/metal wall between building and dock
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0.11	
Photo Numbers.....				895,897,898,899

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	129	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Near Mamaroneck River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	61	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:45	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 750, 751

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	127	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:00	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 768, 769

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Trickle
Flow (gpm)	<1
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity	No	Flow Line	No
Color Strength		Floatables (Suds)	No	Abnormal Vegetation ...	No
Odor Type	None	Floatables (Sewage)	No	Bacteria Growth	No
Odor Severity		Floatables (Oil)	No		

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	123	Diameter (in)	24	Outfall Type
Material	CMP	Waterbody	Mamaroneck River	System Outfall
Shape	Circular	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	ET	Air Temperature (F)	61	INSPECTION EVENT COMMENTS Outfalls into a culvert that runs under the highway
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:45	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 876, 877

ASSESSMENT

Structural Condition	Fair
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Rusted
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>120</u>	Diameter (in)	<u>12</u>	Outfall Type	<u>System Outfall</u>
Material	<u>CMP</u>	Waterbody	<u>Mamaroneck River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>Yes</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>Yes (silt)</u>		

INSPECTION EVENT

Inspector	<u>ET/JL</u>	Air Temperature (F)	<u>65</u>	INSPECTION EVENT COMMENTS <u>Photo 763- poor culvert flow; Heavy rain causes silt backup (almost closes pipe); Major problem for neighbors: 2 outfalls appear as</u>
Date	<u>8/15/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>10:45</u>	Rainfall, Past 48 hrs (in) ..	<u>0.11</u>	
			Photo Numbers.....	<u>760, 761, 762</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Poor</u>
Illicit Discharge Potential	<u>Probable</u>

FLOW

Flow Description	<u></u>
Flow (gpm)	<u></u>
Determination:	<u></u>

FIELD PARAMETERS

Sample Temperature (F) ...	<u></u>
Sample pH	<u></u>
Sample Ammonia (mg/mL)	<u></u>

DISCHARGE CHARACTERISTICS

Color	<u></u>	Turbidity	<u></u>	Flow Line	<u></u>
Color Strength	<u></u>	Floatables (Suds)	<u></u>	Abnormal Vegetation ...	<u></u>
Odor Type	<u></u>	Floatables (Sewage)	<u></u>	Bacteria Growth	<u></u>
Odor Severity	<u></u>	Floatables (Oil)	<u></u>		

POOL QUALITY

Color	<u></u>	Suds	<u></u>
Color Strength	<u></u>	Oil Sheen	<u></u>
Odor	<u></u>	Algae	<u></u>
Odor Severity	<u></u>		

POOL QUALITY COMMENTS

<u></u>

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 51f	Diameter (in)	28	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	Yes		
Quantity	1	Submerged in Sediment	Yes (silt)		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Photo 763- poor culvert flow; Heavy rain causes silt backup (almost closes pipe), major problem for neighbors: 2 outfalls appear as
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:45	Rainfall, Past 48 hrs (in) ..	0.11	
			Photo Numbers.....	760, 761, 762

ASSESSMENT

Structural Condition	Good
Operational Condition	Poor
Illicit Discharge Potential	Probable

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	101	Diameter (in)	8	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:25	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 886, 887

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae growth all ove
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	53	Diameter (in)	15	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	63	INSPECTION EVENT COMMENTS
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:10	Rainfall, Past 48 hrs (in) ..	0.11	

Photo Numbers..... 752, 753

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Rusted
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	22	Diameter (in)	8	Outfall Type	
Material	VCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 936, 936-1, 937

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	Potential

FLOW

Flow Description	Trickle
Flow (gpm)	1
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	No	Floatables (Sewage)		Bacteria Growth	
Odor Severity	No	Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

Flies around pool area

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vh 41	Diameter (in)	12	Outfall Type	
Material		Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 961, 962

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 52b	Diameter (in)	36	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:05	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 965, 966

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Trickle
Flow (gpm)	1
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength	0	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)		Bacteria Growth	
Odor Severity	0	Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds		POOL QUALITY COMMENTS
Color Strength	0	Oil Sheen		
Odor	None	Algae		
Odor Severity	0			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 25	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 950, 951

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	
Color Strength	0	Oil Sheen	
Odor	Clear	Algae	
Odor Severity	0		

POOL QUALITY COMMENTS

Trash in pool

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 11a	Diameter (in)	36	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water			
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Surrounding area filled with trash Sanitation debris & area filled with trash
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 942, 943

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 11b	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	Partially		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 940, 941

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	
Color Strength	0	Oil Sheen	
Odor	No	Algae	
Odor Severity	0		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 11c	Diameter (in)	24	Outfall Type	
Material	Metal	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Joint water works construction zone located adjacent to river (photo 946)
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:30	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 944, 945

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Hs 04	Diameter (in)	36x72	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Rectangular	Submerged in Water	Partially		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 947, 948

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Cloudy, Brown	Suds	Mild
Color Strength	3	Oil Sheen	
Odor	No	Algae	
Odor Severity	0		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Hs 04	Diameter (in)	36x72	Outfall Type
Material	RCP	Waterbody	Mamaroneck River	System Outfall
Shape	Rectangular	Submerged in Water	Partially	
Quantity	1	Submerged in Sediment	Partially	

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:20	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 947, 948

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Cloudy, Brown	Suds	Mild	POOL QUALITY COMMENTS
Color Strength	3	Oil Sheen		
Odor	No	Algae		
Odor Severity	0			

Could be naturally occurring (no smell)

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Hd 19	Diameter (in)	36	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 969, 970

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Substantial
Flow (gpm)	5
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	Yes
Color Strength	0	Floatables (Suds)	Mild	Abnormal Vegetation ...	
Odor Type	Sewage	Floatables (Sewage)		Bacteria Growth	
Odor Severity	1	Floatables (Oil)			

POOL QUALITY

Color		Suds	Mild
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Hd 18a	Diameter (in)	15	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:55	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 971, 972

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	155	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:26	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 967, 968

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	149	Diameter (in)		Outfall Type	
Material	Cast Iron	Waterbody		Not Located	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)		INSPECTION EVENT COMMENTS Resort back to notes for 148 149 pipe could not be found
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers.....

ASSESSMENT

Structural Condition		FLOW Flow Description		FIELD PARAMETERS Sample Temperature (F) ...			
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	148	Diameter (in)	12	Outfall Type	
Material	Cast Iron	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Stonewall collapsed earlier in the year Construction going on around the area to rebuild stonewall and reconstruct curb Photo Numbers..... 973, 974
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:05	Rainfall, Past 48 hrs (in) ..	0	

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	132	Diameter (in)	4x6	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Oval	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:10	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 931, 932

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Moderate
Flow (gpm)	1-2
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	111	Diameter (in)		Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	Culvert	
Shape		Submerged in Water			
Quantity	1	Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Old culvert, clogged by leaves and sediment
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:10	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 964, 963

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	108	Diameter (in)	15	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:50	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 957, 958

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	107	Diameter (in)	16	Outfall Type
Material	RCP	Waterbody	Mamaroneck River	Culvert
Shape	Circular	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:50	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				959, 960

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	106	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	12:44	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	955, 956

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Dry	Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

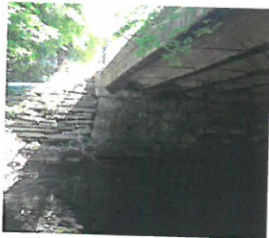
DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	58	Diameter (in)	6	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	Property	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/19/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:55	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 938, 939

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	0d	Diameter (in)	N/A	Outfall Type	
Material	N/A	Waterbody	Mamaroneck Sound	System Outfall	
Shape		Submerged in Water	Submerged fully by rock		
Quantity		Submerged in Sediment	Submerged fully by rock		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	70	INSPECTION EVENT COMMENTS
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....			1161, 1162	

ASSESSMENT

Structural Condition	
Operational Condition	
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

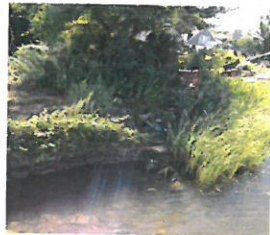
POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

--

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vg 24	Diameter (in)	48	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Oval	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	11:05	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	1150, 1151

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Steady
Flow (gpm)	1-2
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear
Color Strength	1
Odor	None
Odor Severity	0

Suds	
Oil Sheen	Mild
Algae	

POOL QUALITY COMMENTS

Could be natural sheen (no smell)	
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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vf 13	Diameter (in)	15	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:37	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 1138, 1139, 1140

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

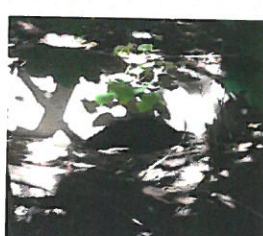
DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	45a	Diameter (in)	8	Outfall Type	
Material	RCP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Tires, other waste along river, sewage debris
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:29	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	1136, 1137

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Brown	Suds	Mild
Color Strength	2	Oil Sheen	Moderate
Odor	None	Algae	Yes- severe
Odor Severity	None		

POOL QUALITY COMMENTS

Blue-green algae growth all in pool. Oil sheen moderate, could be natural (no smell).

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	50	Diameter (in)	36	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	Culvert	
Shape	Circular- oval	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 1156, 1157

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Brown	Suds	None
Color Strength	2	Oil Sheen	None
Odor	None	Algae	None
Odor Severity	0		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	49	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 1158, 1159

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear- cloudy	Suds	
Color Strength	1	Oil Sheen	
Odor	None	Algae	Mild
Odor Severity	0		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>46</u>	Diameter (in)	<u>36</u>	Outfall Type	<u>System Outfall</u>
Material	<u>RCP</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>ET/JL</u>	Air Temperature (F)	<u>60</u>	INSPECTION EVENT COMMENTS <u>Sewage debris & sheen & odor indicates potential</u>
Date	<u>8/28/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time		Rainfall, Past 48 hrs (in) ..	<u>0</u>	
			Photo Numbers.....	<u>1141, 1142</u>

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Potential</u>

FLOW

Flow Description	<u>Dry</u>
Flow (gpm)	
Determination:	<u>Eye</u>

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	<u>Brown</u>	Suds		POOL QUALITY COMMENTS <u>Shiny rocks indicate oily sheen Cloudy pool</u>
Color Strength	<u>2</u>	Oil Sheen	<u>Severe</u>	
Odor	<u>Rancid/sour</u>	Algae		
Odor Severity	<u>2</u>			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	48	Diameter (in)	15	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:00	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				1148, 1149

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Potential

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	None	POOL QUALITY COMMENTS
Color Strength	0	Oil Sheen	Moderate	
Odor	Rancid, Sour	Algae	None	
Odor Severity	1			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	7	Diameter (in)	12	Outfall Type	
Material	PVC	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0	Minor stains on piping	
Time	11:05	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	1152, 1153

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>6</u>	Diameter (in)	<u>15</u>	Outfall Type	<u>System Outfall</u>
Material	<u>CMP</u>	Waterbody	<u>Sheldrake River</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>Partially</u>		

INSPECTION EVENT

Inspector	<u>ET/JL</u>	Air Temperature (F)	<u>60</u>	INSPECTION EVENT COMMENTS
Date	<u>8/28/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>11:10</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	
		Photo Numbers.....	<u>1154, 1155</u>	

ASSESSMENT

Structural Condition	<u>Good</u>	FLOW		FIELD PARAMETERS
Operational Condition	<u>Poor</u>	Flow Description	<u>Dry</u>	Sample Temperature (F) ...
Illicit Discharge Potential	<u>Potential</u>	Flow (gpm)		Sample pH
		Determination:		Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	5a	Diameter (in)		Outfall Type	
Material	RCP	Waterbody	Sheldrake River		Culvert
Shape	Circular, Ellipse, Dual	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	8/28/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	10:54	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	1146, 1147

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	Eye

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	12	Diameter (in)	36	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	70	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:45	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 510, 511

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	None
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 48	Diameter (in)		Outfall Type	
Material		Waterbody		Could not locate	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	Covered by excessive vegetation	
Time	12:50	Rainfall, Past 48 hrs (in) ..	0	Could not be found	
				Photo Numbers.....	525

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Yes
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 44a	Diameter (in)	16	Outfall Type	
Material	CMP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:05	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 514, 515

ASSESSMENT

Structural Condition	Poor
Operational Condition	Poor
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

Oil sheen visible on rocks around pipe

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vd 43	Diameter (in)	36	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	70	INSPECTION EVENT COMMENTS	
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	Sticks and mud inside area	
Time	11:55	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	512, 513

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Wet
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	Natural
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	162	Diameter (in)	24	Outfall Type	
Material	CMP	Waterbody	Near Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	Excessive vegetation
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	2:50	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	531, 532

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Dry	Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	150	Diameter (in)	8	Outfall Type	
Material	CMP	Waterbody	Beaver Swamp Brook	System Outfall	
Shape	Circular	Submerged in Water	Partially		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 537, 542

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Stagnant
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear/Brown	Suds	Natural	POOL QUALITY COMMENTS
Color Strength	1	Oil Sheen		
Odor	None	Algae		
Odor Severity	0			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	128	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially- dirt		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	3:10	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 534, 535

ASSESSMENT

Structural Condition	Good	FLOW	Flow Description	Dry	FIELD PARAMETERS	Sample Temperature (F) ...	
Operational Condition	Good		Flow (gpm)			Sample pH	
Illicit Discharge Potential	Unlikely		Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	No
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	58a	Diameter (in)	15	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	Culvert	
Shape	Culvert- Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	2:37	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 528, 529, 530

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	56a	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck River	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS Cannot access; Close to train tracks
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:35	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers.....

ASSESSMENT

Structural Condition		FLOW Flow Description		FIELD PARAMETERS Sample Temperature (F) ...			
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	54a	Diameter (in)	8	Outfall Type	
Material	Corr. Plastic	Waterbody	Mamaroneck River	Culvert	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	1:15	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	526, 527

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS
Operational Condition	Good	Flow Description	Dry	Sample Temperature (F) ...
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH
		Determination:		Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	45	Diameter (in)	15	Outfall Type	
Material	CMP	Waterbody	Sheldrake River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 543, 544

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	19a	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck Harbor	Culvert	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS Culvert could not be found Covered with leaves and junk in neighbors backyard Photo Numbers..... 518, 519
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:14	Rainfall, Past 48 hrs (in) ..	0	

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	17a	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Mamaroneck Harbor	Culvert	
Shape	Culvert shape	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	12:03	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	516, 517

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

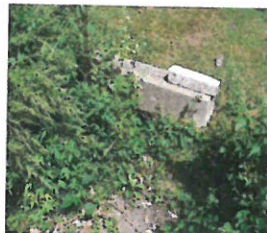
DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	15	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	70	INSPECTION EVENT COMMENTS Surrounded by bamboo and shrubs- type of blockade
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 507

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	N/A
Determination:	N/A

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	No
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Excessive
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	Natural
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	14	Diameter (in)	12	Outfall Type	
Material	RCP	Waterbody	Mamaroneck River	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Fully submerged- Moss		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	70	INSPECTION EVENT COMMENTS	
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0	Rocks covered with moss	
Time	11:42	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	508, 509

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	No
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Excessive
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 85	Diameter (in)		Outfall Type	
Material		Waterbody		Could not locate	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	75	INSPECTION EVENT COMMENTS	
Date	9/3/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	12:35	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	522, 523, 524

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS
Operational Condition		Flow Description		Sample Temperature (F) ...
Illicit Discharge Potential		Flow (gpm)		Sample pH
		Determination:		Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	0c	Diameter (in)	7 x 7	Outfall Type
Material	RCP	Waterbody	Beaver Swamp Brook	System Outfall
Shape	Square	Submerged in Water	No	
Quantity	1	Submerged in Sediment	No	

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:45	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 746, 747

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Steady
Flow (gpm)	6
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color	Clear	Turbidity		Flow Line	
Color Strength	0	Floatables (Suds)		Abnormal Vegetation ...	
Odor Type	None	Floatables (Sewage)		Bacteria Growth	
Odor Severity	0	Floatables (Oil)			

POOL QUALITY

Color	Cloudy	Suds	No
Color Strength	2	Oil Sheen	No
Odor	Mild	Algae	No
Odor Severity	1		

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	0e	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Otter Creek	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Submerged partially with branches, leaves
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:35	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers.....

ASSESSMENT

Structural Condition	Good
Operational Condition	Poor
Illicit Discharge Potential	

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Of	Diameter (in)	15	Outfall Type	
Material	CMP	Waterbody	Otter Creek	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS *750, 6" VCP pipe parallel to it
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:45	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	748, 750

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	4a	Diameter (in)		Outfall Type	
Material		Waterbody	Sheldrake River	Culvert	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector		Air Temperature (F)		INSPECTION EVENT COMMENTS Fenced in area, unable to locate; Broken fence? Pipes around outfall area.
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	618, 619

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	87	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck Harbor	Culvert	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)		INSPECTION EVENT COMMENTS Open channel culvert/swell could not be located; Directs flow from main road (PKY) under guard rail into Mamaroneck Harbor
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:10	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	610

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	146	Diameter (in)		Outfall Type	
Material		Waterbody	Beaver Swamp Brook	Culvert	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)		INSPECTION EVENT COMMENTS Culvert could not be found; Potentially blocked by cinder blocks or fallen tree
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				603, 604, 605

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-25	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS Neighbor states when Harbor is at peak there is constant flood in parking lot.
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:00	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 751, 752

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-31	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	10:14	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	606, 607

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	None
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vf 4	Diameter (in)		Outfall Type	
Material		Waterbody	Sheldrake River	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector		Air Temperature (F)		INSPECTION EVENT COMMENTS Couldn't locate outfall; Upgradient drainage basin completely clogged; Observed area, no outfall located
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time		Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers..... 762, 763	

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vf 5	Diameter (in)		Outfall Type	
Material		Waterbody	Sheldrake River	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)		INSPECTION EVENT COMMENTS Fenced in area, unable to locate; Possibly blocked by debris (rocks, sticks, leaves, etc.)	
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0		
Time		Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	616, 617

ASSESSMENT

Structural Condition	
Operational Condition	
Illicit Discharge Potential	

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

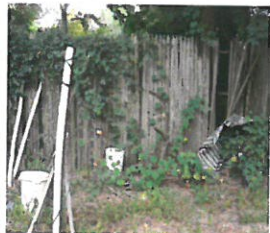
Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 62	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck Harbor	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)		INSPECTION EVENT COMMENTS Walked surrounding area and traced drainage pipe; Unable to locate outfall. Photo 611 shows area left of proposed outfall location. Photo Photo Numbers..... 611, 612
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	12:15	Rainfall, Past 48 hrs (in) ..	0	

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 12	Diameter (in)	24	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS	
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0		
Time		Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	756, 757, 758

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Dry	Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	Natural	POOL QUALITY COMMENTS
Color Strength	0	Oil Sheen		
Odor	None	Algae		
Odor Severity	0			

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 32	Diameter (in)	3	Outfall Type	
Material	Clay	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	60	INSPECTION EVENT COMMENTS
Date	9/11/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:45	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... 753, 754

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	72	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	9/23/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	9:15	Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	713, 714

ASSESSMENT

Structural Condition	Good
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	73	Diameter (in)	4	Outfall Type	
Material	PVC	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	9/23/2014	Rainfall, Past 24 hrs (in) ..	0		
Time		Rainfall, Past 48 hrs (in) ..	0		
				Photo Numbers.....	711, 712

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Dry	Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen	Moderate	Bubbles, dirty and oily, thick (cloudy) area.	
Odor		Algae		Photo 432.	
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	<u>77</u>	Diameter (in)	<u>6</u>	Outfall Type	<u>System Outfall</u>
Material	<u>PVC</u>	Waterbody	<u>Mamaroneck Harbor</u>		
Shape	<u>Circular</u>	Submerged in Water	<u>No</u>		
Quantity	<u>1</u>	Submerged in Sediment	<u>No</u>		

INSPECTION EVENT

Inspector	<u>ET/JL</u>	Air Temperature (F)	<u>65</u>	INSPECTION EVENT COMMENTS Photo 717 - 15" PVC pipe, flow line visible; Outfalls into storm drain and other outfall pipe is untraceable Photo Numbers..... <u>715, 716, 717</u>
Date	<u>9/23/2014</u>	Rainfall, Past 24 hrs (in) ..	<u>0</u>	
Time	<u>9:45</u>	Rainfall, Past 48 hrs (in) ..	<u>0</u>	

ASSESSMENT

Structural Condition	<u>Good</u>
Operational Condition	<u>Good</u>
Illicit Discharge Potential	<u>Unlikely</u>

FLOW

Flow Description	<u>Dry</u>
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	<u>Yes</u>
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 1	Diameter (in)	16	Outfall Type	
Material	RCP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	Partially - dirt		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Blocked by vegetation, sticks, and rocks.
Date	9/23/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:05	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				707, 708, 709, 710

ASSESSMENT

Structural Condition	Good
Operational Condition	Poor
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Excessive
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Cloudy
Color Strength	1 or 2
Odor	None
Odor Severity	0

Suds	Natural
Oil Sheen	Visible- moderate
Algae	

POOL QUALITY COMMENTS

Dirty, oily sheen; Could possibly come up from dirt.

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 2	Diameter (in)	12	Outfall Type	
Material	CMP	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity	1	Submerged in Sediment	No		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	
Date	9/23/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	8:30	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	703, 704

ASSESSMENT

Structural Condition	Fair
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	Dry
Flow (gpm)	None
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Yes
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color	Clear	Suds	Natural
Color Strength	0	Oil Sheen	
Odor	None	Algae	Moderate
Odor Severity	0		

POOL QUALITY COMMENTS

Seaweed, brine.

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vk 3a	Diameter (in)		Outfall Type	
Material		Waterbody	Mamaroneck Harbor	System Outfall	
Shape		Submerged in Water			
Quantity		Submerged in Sediment	Yes- Rocks, Seaweed		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS Could not be found; Covered by rocks.
Date	9/23/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:32	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				705, 706

ASSESSMENT

Structural Condition		FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description		Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-07	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:40	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-07

ASSESSMENT

Structural Condition

Operational Condition

Illicit Discharge Potential

FLOW

Flow Description

Flow (gpm)

Determination:

FIELD PARAMETERS

Sample Temperature (F) ...

Sample pH

Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color

Color Strength

Odor

Odor Severity

Suds

Oil Sheen

Algae

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-08	Diameter (in)	6	Outfall Type	
Material	Corrugated Plastic	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:43	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-08

ASSESSMENT

Structural Condition	
Operational Condition	
Illicit Discharge Potential	

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL) ..	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds	
Color Strength		Oil Sheen	
Odor		Algae	
Odor Severity			

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-09	Diameter (in)	6	Outfall Type	
Material	Corrugated Plastic	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS 2x houses US Bridge Short St.
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	8:50	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-09

ASSESSMENT

Structural Condition		FLOW Flow Description	None	FIELD PARAMETERS Sample Temperature (F) ...			
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-10	Diameter (in)	6	Outfall Type	
Material	PVC	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS	
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	Not pictured	
Time	9:03	Rainfall, Past 48 hrs (in) ..	0	Photo Numbers.....	BSB-10

ASSESSMENT

Structural Condition		Flow Description	None	FIELD PARAMETERS	
Operational Condition		Flow (gpm)		Sample Temperature (F) ...	
Illicit Discharge Potential		Determination:		Sample pH	
				Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS	
Color Strength		Oil Sheen			
Odor		Algae			
Odor Severity					

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-12	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:15	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-12

ASSESSMENT

Structural Condition

Operational Condition

Illicit Discharge Potential

FLOW

Flow Description

Flow (gpm)

Determination:

FIELD PARAMETERS

Sample Temperature (F) ...

Sample pH

Sample Ammonia (mg/mL)

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color

Color Strength

Odor

Odor Severity

Suds

Oil Sheen

Algae

POOL QUALITY COMMENTS

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-13	Diameter (in)	6	Outfall Type	
Material	PVC	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:16	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-13

ASSESSMENT

Structural Condition		FLOW	Flow Description	None	FIELD PARAMETERS	Sample Temperature (F) ...	
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		POOL QUALITY COMMENTS
Color Strength		
Odor		
Odor Severity		

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-15	Diameter (in)	6	Outfall Type	
Material	PVC	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Photo Numbers..... BSB-15
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:23	Rainfall, Past 48 hrs (in) ..	0	

ASSESSMENT

Structural Condition		FLOW Flow Description	None	FIELD PARAMETERS Sample Temperature (F) ...			
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-16	Diameter (in)	6, 4	Outfall Type	
Material	PVC	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity	2	Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Two outfalls, one 6", one 4" (damaged)
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	9:30	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				BSB-16

ASSESSMENT

Structural Condition		FLOW Flow Description	None	FIELD PARAMETERS Sample Temperature (F) ...			
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-17	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:05	Rainfall, Past 48 hrs (in) ..	0	

Photo Numbers..... BSB-17

ASSESSMENT

Structural Condition		FLOW	Flow Description	None	FIELD PARAMETERS	Sample Temperature (F) ...	
Operational Condition			Flow (gpm)			Sample pH	
Illicit Discharge Potential			Determination:			Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		POOL QUALITY COMMENTS
Color Strength		
Odor		
Odor Severity		

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-18	Diameter (in)	6	Outfall Type
Material	Clay	Waterbody	Beaver Swamp Brook	Property
Shape	Circular	Submerged in Water		
Quantity		Submerged in Sediment		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:06	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	BSB-18

ASSESSMENT

Structural Condition	
Operational Condition	
Illicit Discharge Potential	

FLOW

Flow Description	None
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	BSB-19	Diameter (in)	6	Outfall Type	
Material	Clay	Waterbody	Beaver Swamp Brook	Property	
Shape	Circular	Submerged in Water			
Quantity		Submerged in Sediment			

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS Likely abandoned; Broken by tree, pieces in river. May have crossed brook previously.
Date	4/14/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	10:12	Rainfall, Past 48 hrs (in) ..	0	
Photo Numbers.....				BSB-19

ASSESSMENT

Structural Condition	Poor	FLOW		FIELD PARAMETERS	
Operational Condition		Flow Description	None	Sample Temperature (F) ...	
Illicit Discharge Potential		Flow (gpm)		Sample pH	
		Determination:		Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Ve 29b	Diameter (in)	28	Outfall Type	
Material	CMP	Waterbody	Gedney Pond Stream	Sewer Inlet	
Shape	Circular	Submerged in Water	Partially		
Quantity	2	Submerged in Sediment	Partially		

INSPECTION EVENT

Inspector	ET/JL	Air Temperature (F)	65	INSPECTION EVENT COMMENTS	Located next to outfall Ve 29
Date	8/15/2014	Rainfall, Past 24 hrs (in) ..	0		
Time	10:30	Rainfall, Past 48 hrs (in) ..	0.11		
				Photo Numbers.....	756

ASSESSMENT

Structural Condition	Poor
Operational Condition	Good
Illicit Discharge Potential	Unlikely

FLOW

Flow Description	
Flow (gpm)	
Determination:	

FIELD PARAMETERS

Sample Temperature (F) ...	
Sample pH	
Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	Rusted
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	
Odor Type		Floatables (Sewage)		Bacteria Growth	
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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OUTFALL INSPECTION PROGRAM

STRUCTURE

Structure ID	Vj 57a	Diameter (in)	10	Outfall Type	
Material	Concrete	Waterbody	Mamaroneck Harbor	System Outfall	
Shape	Circular	Submerged in Water	No		
Quantity		Submerged in Sediment	No		

INSPECTION EVENT

Inspector	MV	Air Temperature (F)		INSPECTION EVENT COMMENTS
Date	4/21/2014	Rainfall, Past 24 hrs (in) ..	0	
Time	11:26	Rainfall, Past 48 hrs (in) ..	0	
			Photo Numbers.....	VJ-57

ASSESSMENT

Structural Condition	Good	FLOW		FIELD PARAMETERS	
Operational Condition	Good	Flow Description	Wet	Sample Temperature (F) ...	
Illicit Discharge Potential	Unlikely	Flow (gpm)	Dripping	Sample pH	
		Determination:	Visual	Sample Ammonia (mg/mL)	

DISCHARGE CHARACTERISTICS

Color		Turbidity		Flow Line	
Color Strength		Floatables (Suds)		Abnormal Vegetation ...	Algae
Odor Type	None	Floatables (Sewage)		Bacteria Growth	None
Odor Severity		Floatables (Oil)			

POOL QUALITY

Color		Suds		POOL QUALITY COMMENTS
Color Strength		Oil Sheen		
Odor		Algae		
Odor Severity				

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Appendix **D**

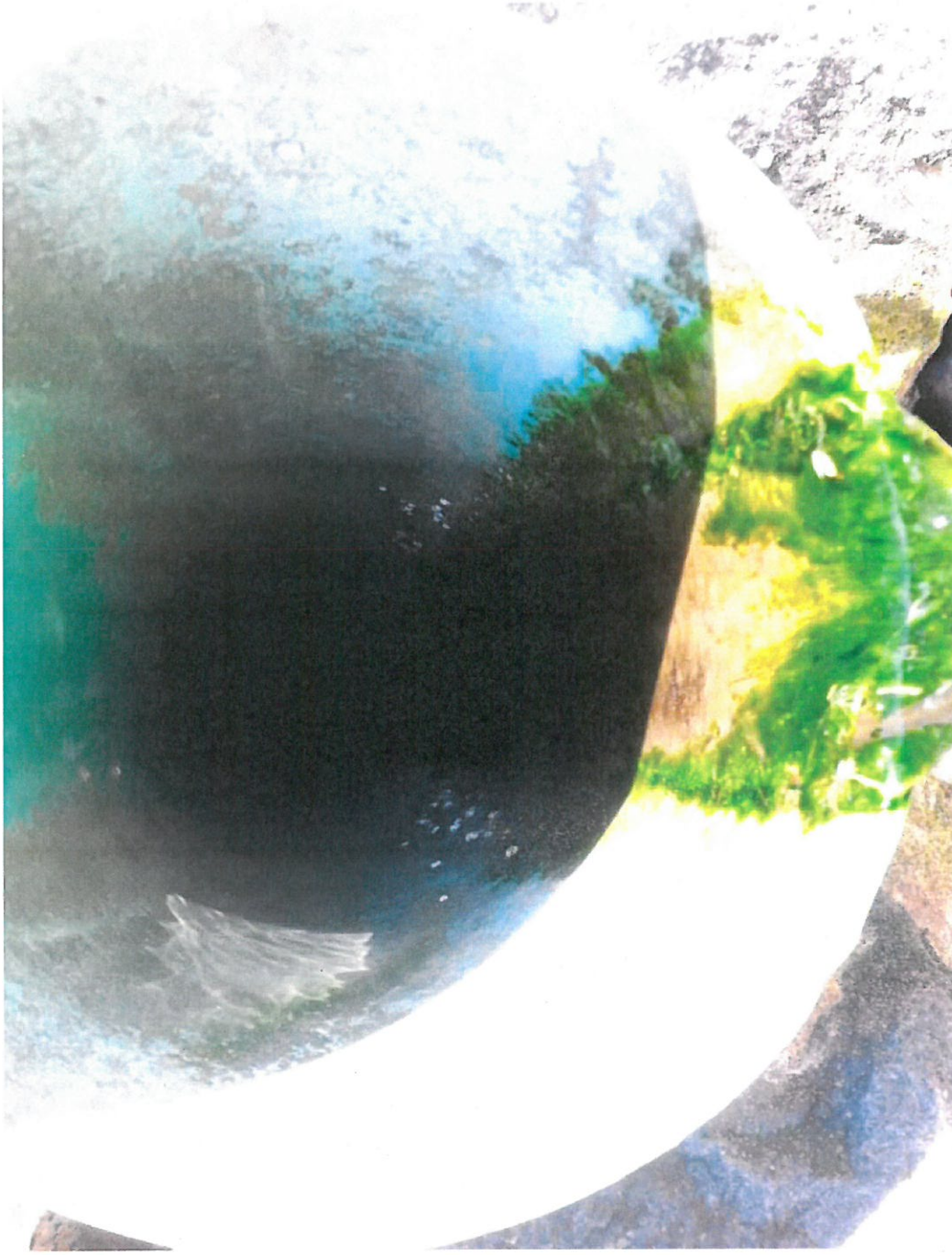
Field Notes and Photos



Outfall BSB-23 and stream sampling location SHB.

YEC

Environmental
Engineering



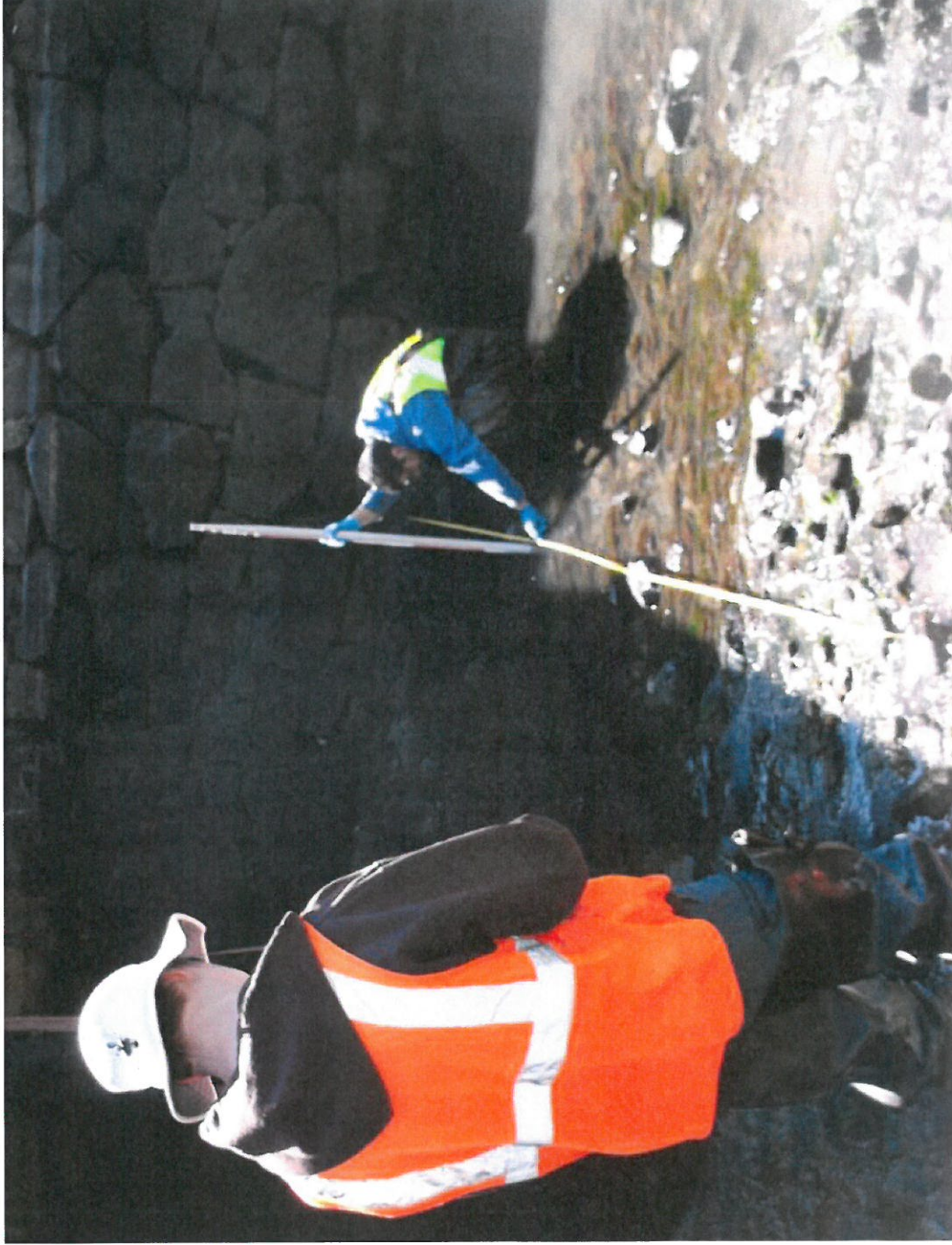
Outfall BSB-23, ST drains from Alda Rd. Flow rate 0.5 gpm.

Outfall Inspections

Mamaroneck, NY 4/21/2014

YEC

Environmental
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OC_Barry stream cross-section and sampling location.

Outfall Inspections

Mamaroneck, NY 4/21/2014



Outfall VJ-04. Flow rate 93 gpm. Light odor and some algae growth.

YEC

Environmental
Engineering



Sample location VJ-04

Outfall Inspections

Mamaroneck, NY 4/21/2014

YEC

Environmental
Engineering



VJ-04 interior. Two additional inlets at 3 o'clock.

Outfall Inspections

Mamaroneck, NY 4/21/2014



Stream sample BSB-01 and calculating stream cross-section under footbridge.



Outfall BSB-26.

BSB-27, wet pipe
and wall face. No
flow.



YEC

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Engineering



BSB-27, closeup.

Outfall Inspections

Mamaroneck, NY 4/21/2014



VJ-57 wet pipes and wall face. Very slow dripping. Outfall from S Barry Ave at bridge.

YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014



VJ-57, PVC interior

YEC

Environmental
Engineering



VJ-57, concrete interior

Outfall Inspections

Mamaroneck, NY 4/21/2014



VJ-31. Lawn drainage from house on Guion Dr.



VJ-54a Outfall exterior at low tide. Flow visible through retaining wall face.
Outfall from Guion Dr and Lawn Terrace intersection.



VJ-54a interior. Pipe is separated 7ft. in from outfall, allowing flow into retaining wall.

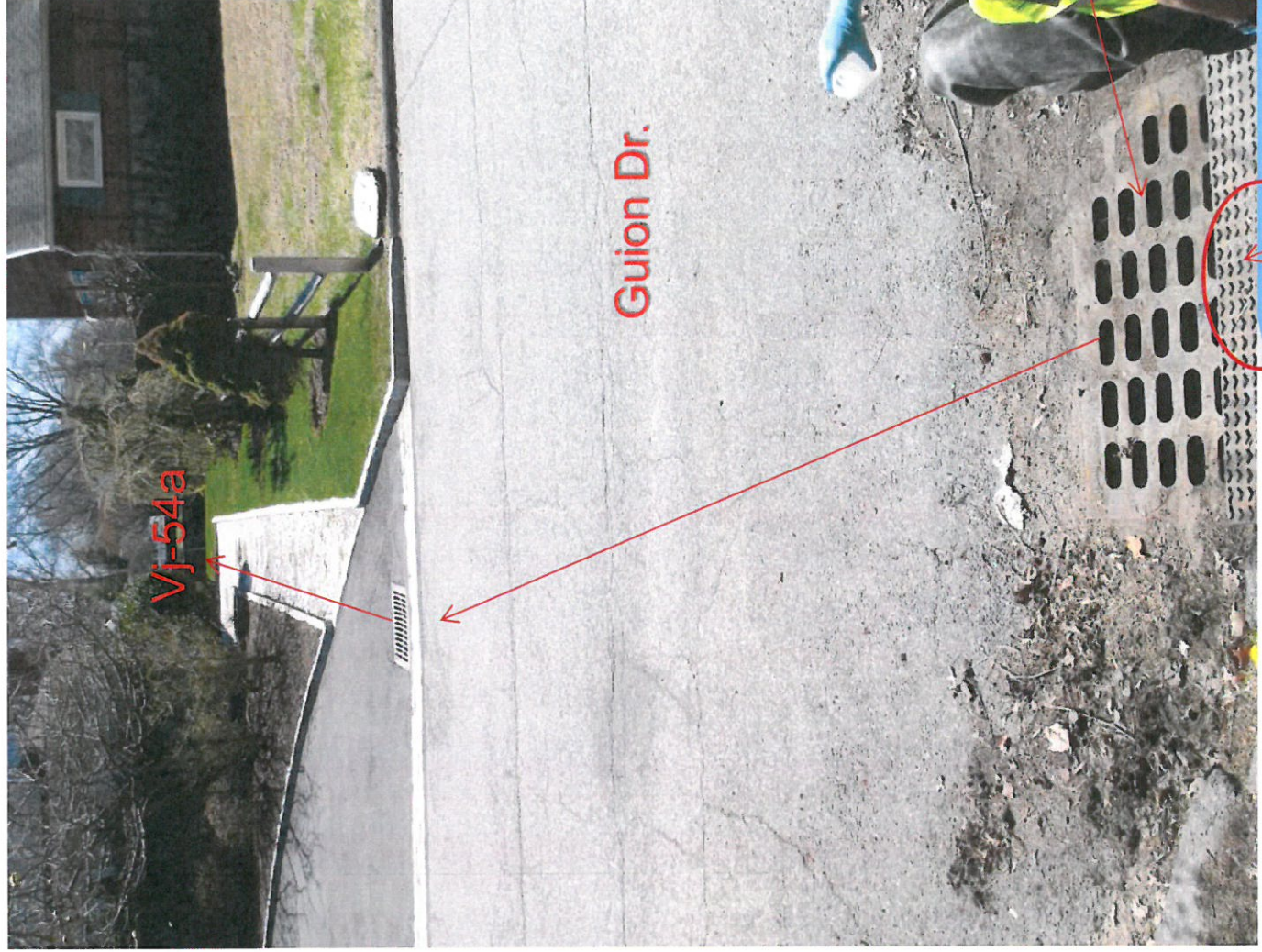
YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014

Catchment basins upstream Vj-54a. Sampling point indicated. All other inflowing lines in the two basins were surcharged and had bacteria growth present. Not all flow is represented with the sample.



YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014



Second upstream catchment basin for VJ-54a, sampling point indicated

YEC

Environmental
Engineering



Sampling point for VJ-54a. Bacteria growth present.

Outfall Inspections

Mamaroneck, NY 4/21/2014



BSB-28, Flow rate 0.1 gpm. Algae growth present.
Outfall from Lawn Terrace.

YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014



BSB-29, Flow measured at 0.36 gpm, maybe more from cracks in pipe.
Outfall from Lawn Terrace.

YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014



Close-up of BSB-29, heavy bacteria and algae growth present



VJ-58, Flow measured 2.6 gpm, algae and light bacteria growth.
Outfall from Lawn Terrace.

YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/21/2014

YEC

Environmental
Engineering



VJ-58, interior

Outfall Inspections

Mamaroneck, NY 4/21/2014

YEC

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Engineering



BSB-30, from Harbor property. No flow.

Outfall Inspections

Mamaroneck, NY 4/21/2014



Short, stream cross-section and sampling location. Below Short St bridge.



USMH_VC-18, exterior. Lid cracked in half.

YEC

Environmental
Engineering



USMH_VC-18 interior. No flow into MH, dye tested pool of water. No outgoing flow.

Outfall Inspections

Mamaroneck, NY 4/22/2014

YEC

Environmental
Engineering



Outfall BSB-03, sampling location.

Outfall Inspections

Mamaroneck, NY 4/22/2014



BSB-03 pool before creek. Rainbow sheen and suds present.



Har_Rye stream cross-section and sample location (circled).

YEC

Environmental
Engineering

Outfall Inspections

Mamaroneck, NY 4/22/2014



VJ-65 catch basin. Dye tested, but could not confirm connection to outfall (not pictured).

Outfall Inspections

Mamaroneck, NY 4/22/2014

YEC

Environmental
Engineering

YEC

Environmental
Engineering



VJ-65 interior 3 o'clock inlet pipe.

Outfall Inspections

Mamaroneck, NY 4/22/2014

YEC

Environmental
Engineering



VJ-65 1'oclock inlet pipe.

Outfall Inspections

Mamaroneck, NY 4/22/2014

YEC

Environmental
Engineering



VJ-65 outlet pipe.

Outfall Inspections

Mamaroneck, NY 4/22/2014

YEC

Environmental
Engineering



VJ-61 outflow sampling location. Algae growth present.

Outfall Inspections

Mamaroneck, NY 4/22/2014



VJ-61 dye tested to confirm US CB.

YEC

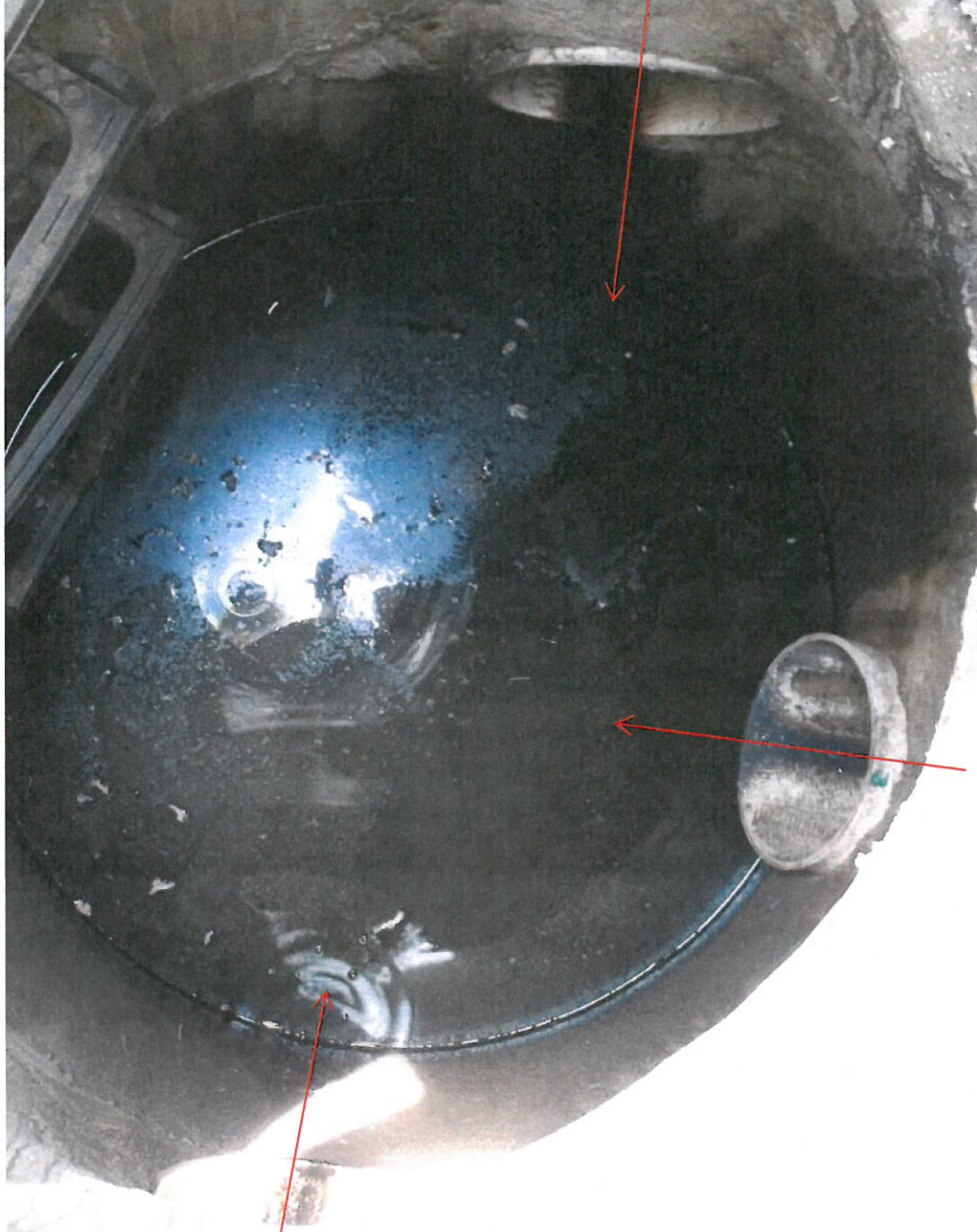
Environmental
Engineering



MH US VJ-62 exterior, no flow.

Outfall Inspections

Mamaroneck, NY 4/22/2014



VJ-62 interior. 3 o'clock inlet wet, 6 o'clock inlet dry and 9 o'clock inlet dripping. No flow to outfall.

YEC

Environmental
Engineering



BSB-24 upstream catchment basin. Dry with metal cap over outlet. Filled with leaves and debris.

Outfall Inspections

Mamaroneck, NY 4/22/2014



Could not locate BSB-24 outfall.

YEC

Environmental
Engineering



Jefferson St. outfall behind ladder.

Outfall Inspections

Mamaroneck, NY 4/22/2014

USMH_Jefferson OF
and sample location.
MH Depth 9.28 ft.
DTW 8.94 ft.



YEC

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Engineering

Outfall Inspections

Mamaroneck, NY 4/22/2014



Catchment basin US BSB-17. Tested connection with water from creek, but could not confirm.



Appendix E

GIS and Database Files CD



Appendix **F**

Fayette Avenue Outfall

CITY: ALB DIV: GROUP: WTR DB: CMS LD: PIC: PM: KCH TM:
PROJECT: 01547035.0000 PATH: Document Path: G:\GISMOD\01547034.0000\Fayette Ave TS.mxd



Legend

- ▲ ARCADIS Inspected
- ▲ Record Outfalls
- ▲ Needs Inspection
- Sanitary Sewer - Gravity
- Sanitary Sewer - Force Main
- Catchbasin
- Drainage Manhole
- Storm Drains

ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

VILLAGE OF MAMARONECK
MAMARONECK, NY
IDDE PROGRAM

FAYETTE AVENUE OUTFALL (VF 16)



FIGURE
F



1

Photo #1: Fayette Avenue facing north – Village DPW Garage to the left and transfer station to the right



2

Photo #2: Transfer Station entrance – facing east

VILLAGE OF MAMARONECK

ILLICIT DISCHARGE DETECTION AND ELIMINATION
PROGRAM

Fayette Avenue Outfall Evaluation



APPENDIX
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3

Photo #3: Transfer Station curtain drain at the north end of Fayette Avenue – facing west



4

Photo #4: Transfer Station curtain drain at the north end of Fayette Avenue – facing east. Outfall and Sheldrake River located to the left of photo (not shown)

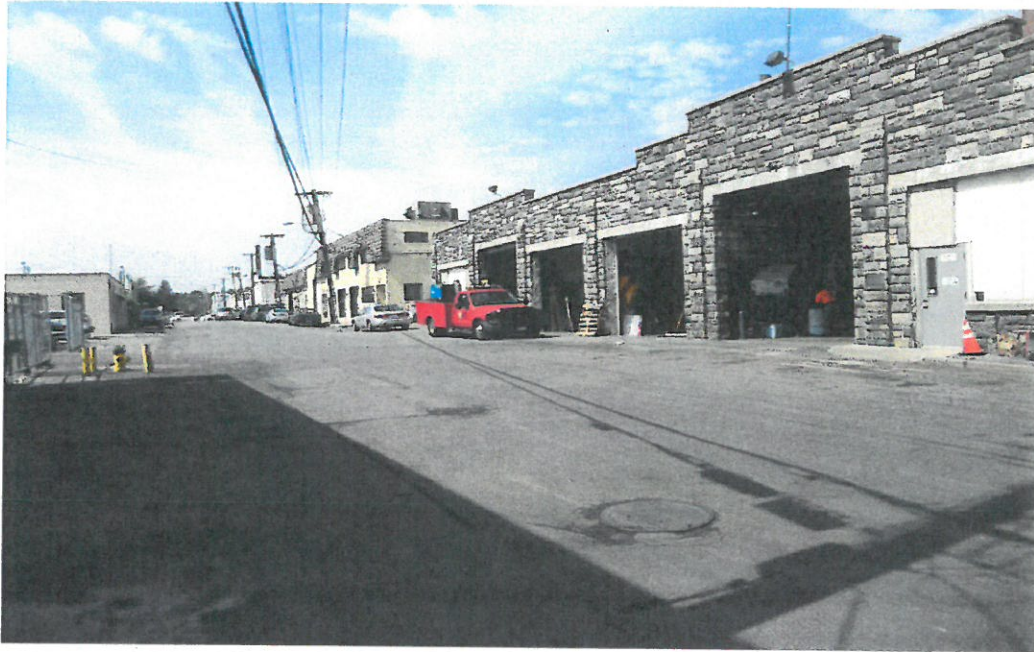
VILLAGE OF MAMARONECK

ILLICIT DISCHARGE DETECTION AND ELIMINATION
PROGRAM

Fayette Avenue Outfall Evaluation



APPENDIX
F



5

Photo #5: Village DPW Garage – facing south\west



6

Photo #6: Sanitary sewer manhole in front of Village DPW Garage – Green dye from dye test of curtain drains at north end of Fayette Avenue and DPW Garage floor drains. Incoming pipes from Village DPW Garage floor drains and the transfer station pump station shown at the top of the photo.

VILLAGE OF MAMARONECK

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PROGRAM

Fayette Avenue Outfall Evaluation



APPENDIX
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