

Ongoing Screening Summary Report 2018 Inspection Year

Illicit Discharge Detection and Elimination Program

City of Oshkosh

January 25, 2019

OMNNI Project No. N2029C18

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



Illicit Discharge Detection and Elimination
Conducted For
City of Oshkosh

Ongoing Screening Summary Report

2018 Inspection Year

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EXECUTIVE SUMMARY

During the fall of 2018, OMNNI Associates, Inc. (OMNNI) assisted the City of Oshkosh with inspecting the outfalls in the City's municipal separate storm sewer system (MS4) for potential illicit discharges. Following the Illicit Discharge Ongoing Inspection Program that was revised in 2015, OMNNI inspected 91 of the approximately 428 MS4 outfalls identified in the City. The inspections consisted of a visual screening along with a chemical analysis of any dry-weather flow that was present. The inspections revealed 35 outfalls with evidence of potential or obvious illicit discharges, primarily manholes with trapped floating litter.

BACKGROUND

Purpose

Under Section 2.3.2 of the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No WI-S050075-2 ("permit"), the City of Oshkosh is required to conduct ongoing dry weather field screening of all outfalls during the term of the permit to detect potential illicit discharges.

Under the MS4 permit, an outfall is defined as "the point at which storm water is discharged to waters of the state or leaves one municipality and enters another." The MS4 is defined as "a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets all of the following criteria:

1. Owned or operated by a municipality.
2. Designed or used for collecting or conveying storm water.
3. Which is not a combined sewer conveying both sanitary and storm water."

When applied to the City of Oshkosh, the MS4 permit requires ongoing screening of the road ditch or storm sewer outfalls where the outfalls discharge to a water of the state (i.e., a navigable or non-navigable stream, lake, or wetland) or where they discharge into an adjacent municipality or to a county or state highway right-of-way.

Each outfall is classified as "major" or "minor." A "major outfall," as defined by the MS4 permit, is an MS4 outfall that meets one of the following criteria:

1. A single pipe with an inside diameter of 36 inches or more or equivalent conveyance (cross sectional area of 1,018 square inches) which is associated with a drainage area of more than 50 acres.
2. A municipal separate storm sewer system that receives storm water runoff from lands zoned for industrial activity that is associated with a drainage area of more than 2 acres or from other lands with 2 or more acres of industrial activity, but not land zoned for industrial activity that does not have any industrial activity present.

Outfalls not meeting the definition of a major outfall are considered "minor outfalls."

OMNNI has also worked with the WDNR to develop a third class of outfalls – "supplemental" outfalls. Supplemental outfalls are storm sewer outfalls which may not meet the legal definition of an outfall according to the MS4 general permit but should be included in an ongoing field screening program. The majority of the supplemental outfalls are detention basin inlets, which do not discharge directly to a water of the state, and therefore are not technically outfalls.

However, sampling the detention basin inlets is an important component of the overall screening process, as illicit discharges are more likely to be discovered at the detention basin inlets rather than at the detention basin outfall.

The current MS4 map for the City of Oshkosh consists of 428 outfalls, including:

- 94 major outfalls
- 241 minor outfalls
- 93 supplemental outfalls

These numbers are updated each year as outfalls are located during the ongoing field screening program and modifications are made to the MS4. A map showing the MS4 outfalls is included in Appendix A.

Program History

The activities that have taken place with the Illicit Discharge Program for the City of Oshkosh are summarized below:

September 2009 – Initial Screening (major outfalls)

109 major outfalls screened, with 23 potential and one obvious illicit discharge identified.

City of Oshkosh Initial Field Screening Summary Report (May 18, 2010)

December 2009 – Ongoing Field Screening Program

348 MS4 outfalls identified, screened over a four-year inspection cycle.

City of Oshkosh IDDE Ongoing Field Screening Program (May 19, 2010)

August 2010 – 2010 Ongoing Screening

93 outfalls screened, with 26 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2010 Inspection Year (March 28, 2011)

June 2, 2011 – USEPA Audit

Assisted with questions concerning the IDDE program

October 2011 – 2011 Ongoing Screening

121 outfalls screened, with 15 potential and one obvious illicit discharge identified.

City of Oshkosh Ongoing Screening Summary Report – 2011 Inspection Year (March 6, 2012)

October 2012 – 2012 Ongoing Screening

100 outfalls screened, with 12 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2012 Inspection Year (March 25, 2013)

July 2013 – 2013 Ongoing Screening

95 outfalls screened, with 7 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2013 Inspection Year (February 20, 2014)

October 2014 – 2014 Ongoing Screening

42 outfalls screened (prior potential illicit discharges), with 17 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2014 Inspection Year (February 23, 2015)

September 2015 – Ongoing Field Screening Program Revision (draft)

425 MS4 outfalls identified, with 60 priority outfalls.

City of Oshkosh IDDE Ongoing Field Screening Program – 2015 Revision (September 16, 2015)

September 2015 – 2015 Ongoing Screening

98 outfalls screened, with 20 potential and one obvious illicit discharge identified.

City of Oshkosh Ongoing Screening Summary Report – 2015 Inspection Year (January 8, 2016)

October 2016 – 2016 Ongoing Screening

98 outfalls screened, with 27 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2016 Inspection Year (November 30, 2016)

October 2017 – 2017 Ongoing Screening

101 outfalls screened, with 25 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2017 Inspection Year (January 25, 2018)

October 2018 – 2018 Ongoing Screening

91 outfalls screened, with 35 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2018 Inspection Year (January 25, 2018)
(This document)

The 2015 revision to the Ongoing Screening Program implemented the “priority outfall” concept that was introduced by the WDNR in a March 2012 guidance document. These priority outfalls are outfalls that have the highest likelihood of a potential illicit discharge based on the characteristics of the drainage basins for each outfall. The priority outfalls are scheduled to be screened annually, while the non-priority outfalls are screened less frequently (every five years for major outfalls, every ten years for non-major outfalls). The current version of the program includes 45 priority outfalls.

The 2018 outfall screening followed the 2015 revision to the Ongoing Screening Program. The priority outfalls were screened, along with a subset of the non-priority outfalls. Based on the field observations during the screening, the Ongoing Screening Program may be modified slightly for future years.

The outfalls that were included in the 2018 screening program are shown in Appendix A, and the associated outfall inspection reports are included in Appendix B. The City may need to include these results in the annual report required by the MS4 permit due March 31, 2019.

Screening Methodology

OMNNI’s outfall screening methodology loosely follows the procedures outlined in ***ILLICIT DISCHARGE DETECTION AND ELIMINATION: A GUIDANCE MANUAL FOR PROGRAM DEVELOPMENT AND TECHNICAL ASSESSMENTS*** (Center for Watershed Protection / Robert Pitt, October 2004). The procedures were modified to comply with the MS4 permit requirements and have evolved after several years of experience and discussions with the WDNR.

Outfalls that have been previously inspected are located with the assistance of GPS. For outfalls that have not been previously inspected, the available MS4 mapping is used to physically locate the outfall, and then the GPS location is recorded to assist with future inspections. The physical properties of the outfall are then recorded – type of outfall, dimensions, material, and discharge location. A photograph of the outfall is taken to show the general location and configuration.

After the physical properties have been recorded, the outfall and surrounding area are screened for indicators of current or past illicit discharges. Sample indicator parameters include floatable material, gross solids, odors, stains, color of water, turbidity, abnormal vegetation and benthic growth. If any of these physical indicators are observed, they are further described and

quantified. A close-up photograph is taken of the actual discharge of the outfall, showing any indicator parameters or flow from the outfall. A short video of the flow is also taken to document the magnitude of the flow or the lack of flow at the time of inspection.

The MS4 permit specifies that the outfalls be screened during periods of dry weather. Outfall inspections are typically conducted in the summer months to avoid the effects of snowmelt runoff in the storm sewer system. OMNNI generally waits for a minimum of 48 hours following a runoff-producing rainfall event to conduct the outfall screening. This typically allows sufficient time for the stormwater to discharge through the drainage area and outfall. If, after 48 hours, the outfall still has flow, a sample is collected and screened for chemical indicators of an illicit discharge. While the actual list of chemical parameters is specific to each outfall, most flowing outfalls are screened for the following parameters:

- pH
- Chlorine (total chlorine and free chlorine)
- Detergents
- Ammonia
- Temperature
- Conductivity

In some cases, outfalls can be either partially or fully submerged. A partially submerged outfall is an outfall where the elevation of the invert is below the water level of the receiving water. A fully submerged outfall is a pipe that is entirely below the water surface. In either condition, the receiving water is “backed up” into the discharging pipe or channel and is not free-flowing. Under these conditions, if a sample is collected at the outfall point, the sample could consist almost entirely of the receiving water.

In the case of partially or fully submerged outfalls, OMNNI developed a sampling procedure that was approved by WDNR. The submerged outfall is screened for physical indicators. However, the flow sample is collected from the first access point (i.e., manhole, catchbasin, curb inlet) upstream of the outfall. This reduces the influence of the receiving water. Typically, if there is no flow or pooled water at the upstream location, then no sample is collected. For all upstream sampling, a note is made of the distance and land use of the area between the outfall and the upstream area to assess the potential for illicit connections between the outfall and the upstream location.

In the event that the physical or chemical indicators show that there is a potential ongoing illicit discharge, the Illicit Discharge Coordinator of the municipality is contacted. If requested, OMNNI then assists the municipality with attempting to identify the source of the discharge, usually by inspecting and/or sampling additional upstream points to attempt to isolate a particular branch of the MS4 network.

While not expressly required by the MS4 permit, OMNNI also conducts a physical condition assessment for each outfall. The inspector identifies any graffiti, damage, erosion or deposition present at the outfall and assigns a severity. This information is provided to the municipality to assist with maintenance activities.

A detailed outfall report is generated for each outfall that is inspected. The outfall report includes the general outfall information that was collected, along with detailed inspection results for each inspection conducted at the outfall. This provides a comprehensive history of

the inspection results for the outfall as multiple inspections are performed over the life of the outfall.

Detailed inspection reports for each outfall are included in Appendix B. Some general observations from the field screening are noted in the following sections.

RAINFALL AND FLOW

Rainfall

Weather data was obtained from the Weather Underground website. Personal weather station KWIOSHKO31 (“Village Ln”) is located near the intersection of Village Lane and Donegal Court in the City of Oshkosh. The conditions at this weather station were considered representative of the weather in the City of Oshkosh for the 2018 ongoing screening. The location of the weather station is shown in Figure 1.

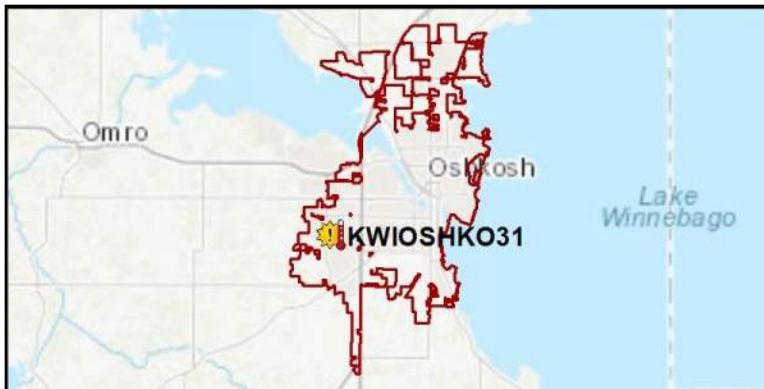


Figure 1 – Location of weather station for weather history

The weather history from September 22, 2018 (one month prior to the start of inspections) through November 3, 2018 (one week after the completion of inspections) from this weather station is shown in Figure 2.

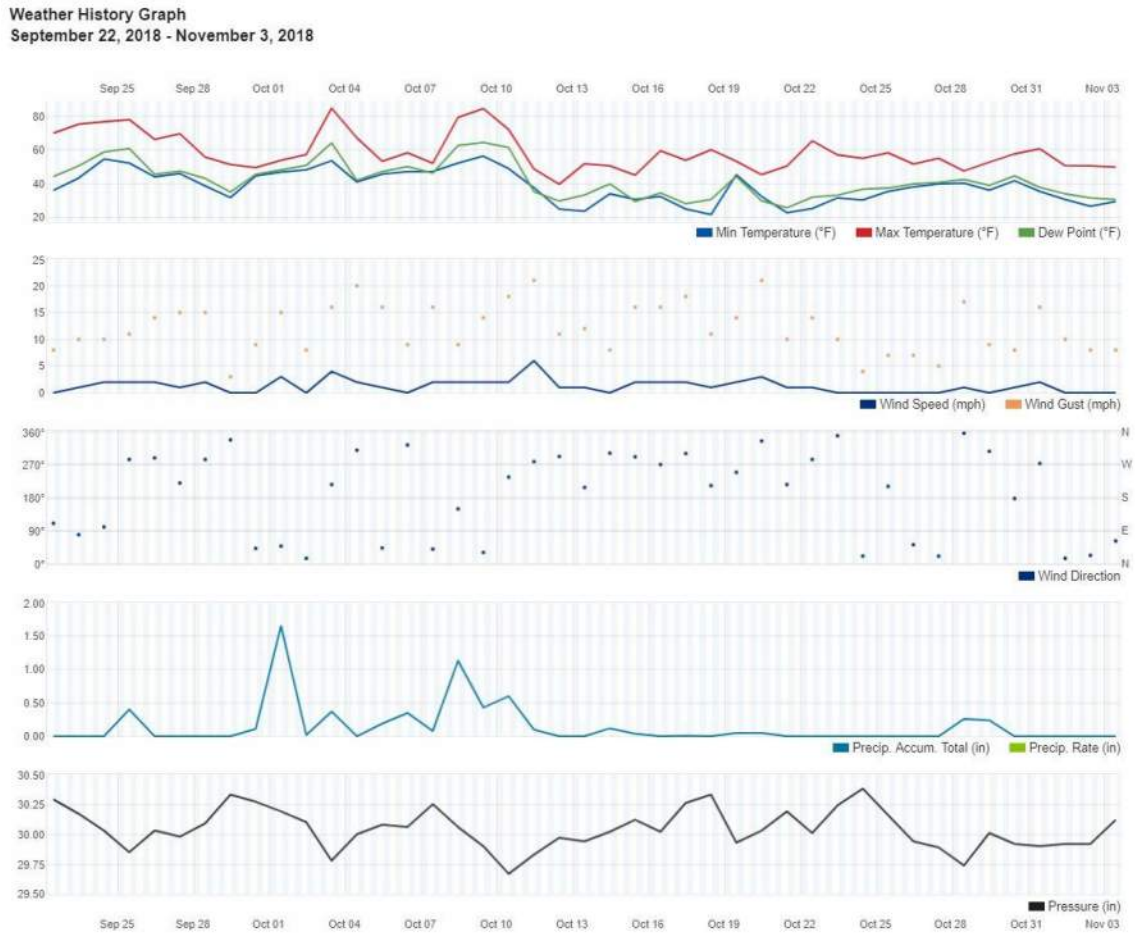


Figure 2 – Fall 2018 weather history (Weather Underground)

Outfall inspections were conducted in the City of Oshkosh on October 22, 24 and 25, 2018. (Follow-up inspections were conducted on October 26 and 29). Those inspection dates (red), along with the daily rainfall history (blue), are shown in Figure 3.

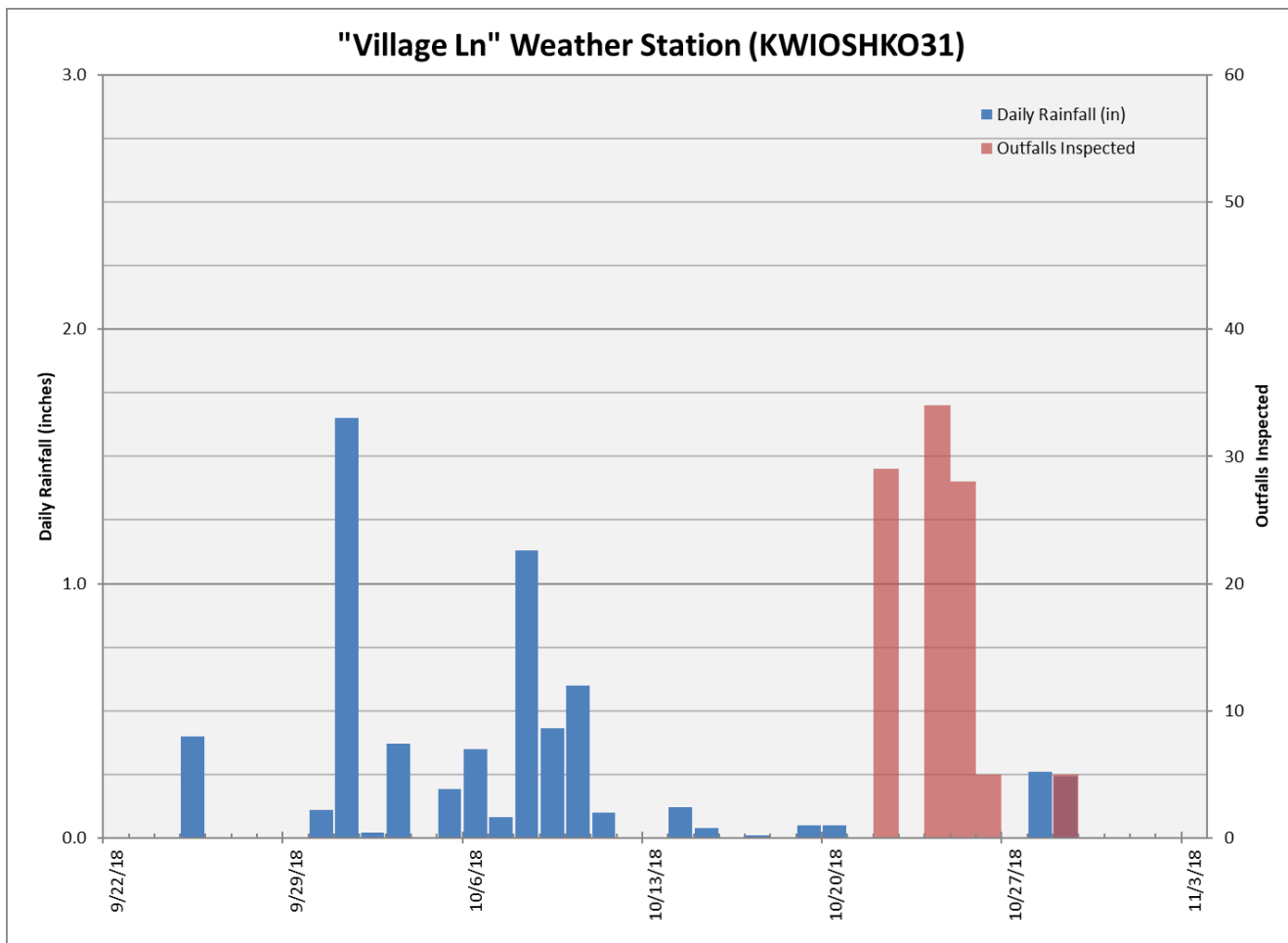


Figure 3 – Rainfall history and outfall inspections

Flow

To meet the requirement of dry weather screening, outfalls were typically screened at least 48 hours after the previous runoff-producing rainfall event. The distribution of the flow intensity of the outfalls (not including upstream sampling points) is shown in Figure 4.

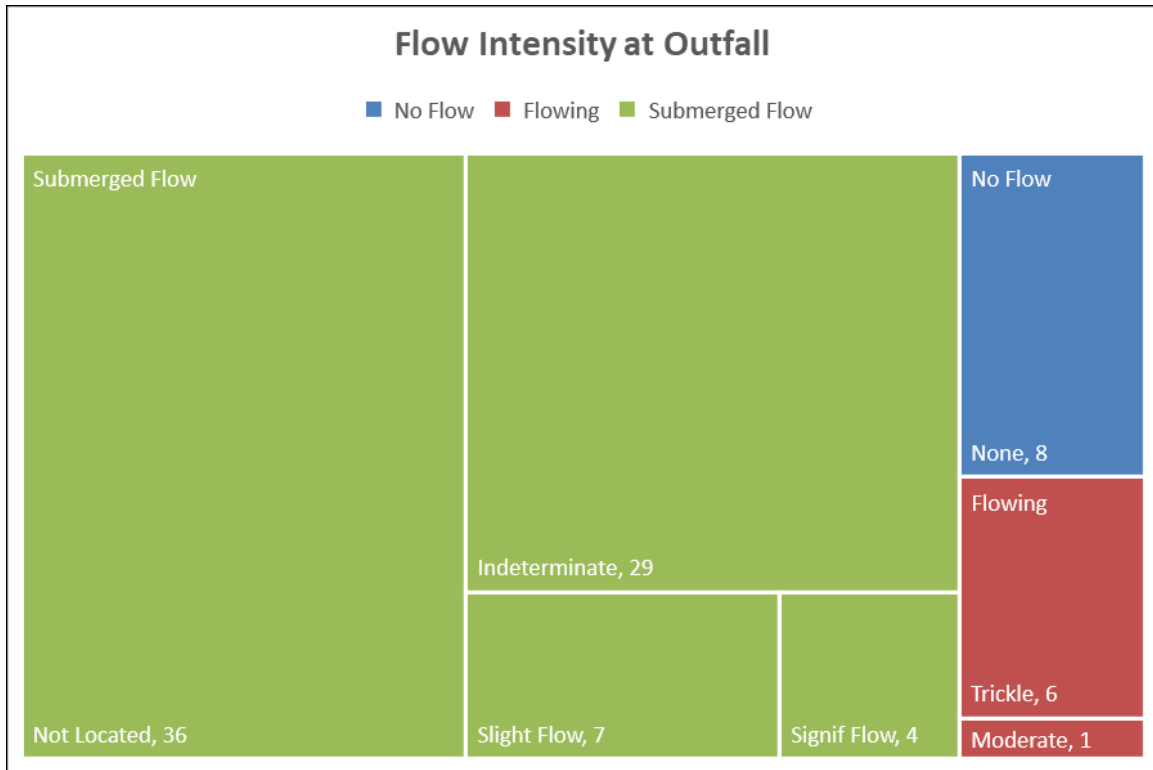


Figure 4 – Flow intensity at outfall

Submerged outfalls, along with their sampling protocol, are described in the next section.

If dry weather flow was found during the field screening, a sample was collected and analyzed for the presence of indicator parameters. The analysis conducted is discussed in a later section.

Not all flow is an indicator of an illicit discharge. Following a significant rainfall event, surface water and groundwater elevations can be higher than normal. Much of the observed flow may originate from sump pump discharges, detention basin discharges, permitted discharges, and infiltration into the storm sewer system.

Submerged Outfalls

Most of the outfalls in the City were located at or below the normal levels of their respective receiving waters. Of the 91 inspected outfalls, 30 were partially submerged, and 46 were fully submerged (Figure 5). Of the 46 fully submerged outfalls, 36 could not be physically located.

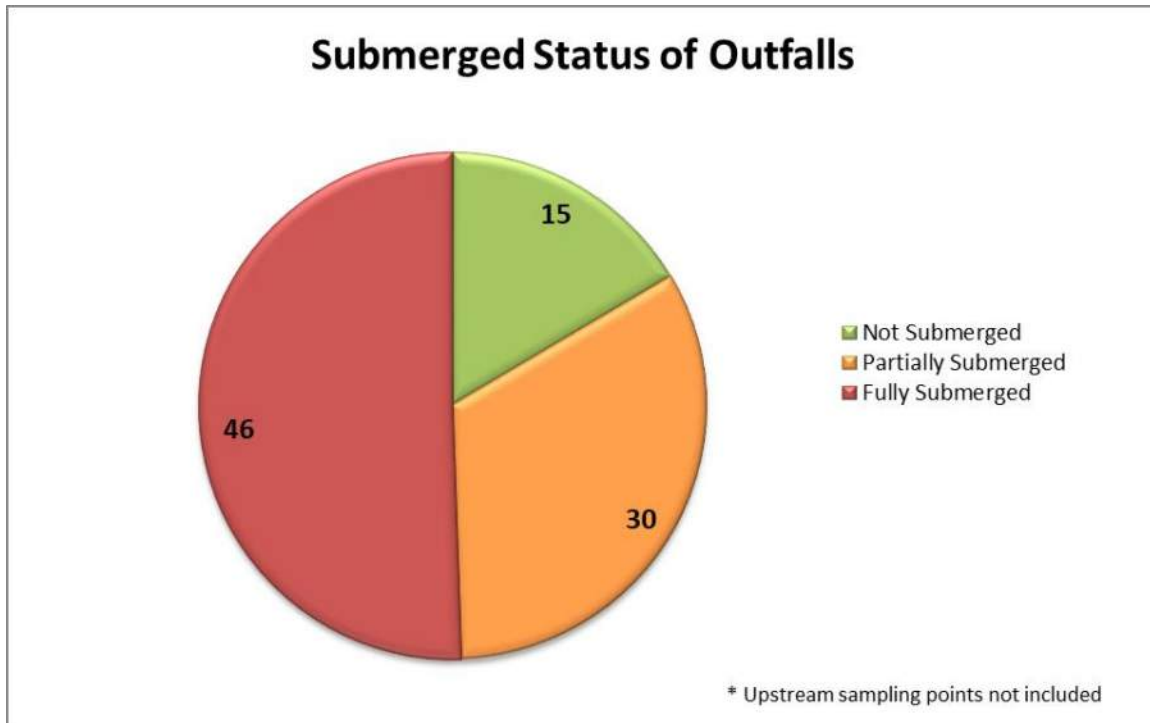


Figure 5 – Submerged status of outfalls

Submerged outfalls were screened at a representative upstream location (i.e., first upstream manhole), if one was available. If flow or a submerged pool was present in the upstream location, a sample was collected. If a representative upstream location was not available, a sample was collected from the submerged pool at the outfall. Sampling locations are noted on the individual outfall inspection reports.

PHYSICAL INDICATOR ASSESSMENT

All outfalls, regardless of whether they exhibited dry-weather flow at the time of inspection, underwent an extensive assessment for physical indicators of past or current illicit discharges. The physical indicators are grouped into eight categories, and each category is assigned a severity rating based on the observed conditions, along with a qualitative description, if applicable. The eight categories of physical indicators are described below.

Floatables

Floatables include petroleum sheens, suds, algae, and evidence of raw sewage. These conditions would typically be observed in an area of stagnant water, such as a downstream pool or an upstream manhole, although some may be observed in the actual flow. Some conditions (petroleum sheens and sewage) are almost always the result of an illicit discharge. Other

floatables, like suds and algae, can have non-illicit sources, but their presence can also indicate the potential for an illicit discharge, and the source should be traced.

Vegetative debris and solid waste (litter) can also float, but these substances are included in the *Gross Solids* category and are not considered floatables.

A *slight* severity for floatables indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface.

Odor

Clean stormwater should have no odor. Odors may be caused by the presence of chemicals, which can indicate a potential illicit discharge. The classification of odor is somewhat subjective and may vary depending on the inspector. Some of the odor classifications are chemical-based, and include petroleum, VOC/solvent, chlorine, and sulfur. Other odor classifications are even more subjective, and include musty, fishy, sewage, and fragrant.

Odor can be difficult to quantify. As a result, the severity is based on the method that it can be detected. A *slight* severity for odor indicates that the odor can be detected in the sample bottle. A *moderate* severity indicates that the odor can be detected in the flow itself. A *severe* classification indicates that the odor can be detected from a distance.

Turbidity

Turbidity is a measure of the clarity of a water sample, reflecting the amount of suspended solids present in the water. As turbidity increases, the water becomes cloudy and eventually opaque. Turbidity has a negative impact on aquatic life, as it prevents sunlight from penetrating the water.

Turbidity is frequently caused by soil erosion that occurs upstream of the outfall. The soil erosion can be accelerated by poor erosion control management practices. Active construction sites and highly eroded areas are common sources of turbidity.

While turbidity can be measured directly using an instrument like a turbidimeter, the relative turbidity of each outfall sample was assessed qualitatively. A *slight* severity for turbidity indicates that the sample appeared slightly cloudy in the sample bottle. A *moderate* severity indicates that the sample exhibits significant cloudiness. A *severe* classification was used for a sample that was opaque in the sample bottle.

Color

Stormwater typically should be clear, with no apparent color. Certain tints and colors can indicate the presence of substances that could be a potential illicit discharge. Some tints can be caused by natural substances, such as tannins in leaves and vegetative debris causing a slight brown tint. High concentrations of suspended solids can cause orange tints (clay), brown tints (loam) or gray-black tints (organic materials). Certain colors (i.e., red, blue and green) are almost never naturally-occurring, and likely indicate an illicit discharge.

Color is most easily assessed in the sample bottle. The sample bottle can be compared to a bottle of deionized water as a standard. The general color of the sample is noted, along with the relative severity. A *slight* severity for color indicates that the color is faint in the sample bottle. A *moderate* severity indicates that the color is easily detected in the sample bottle. A *severe*

classification indicates that the color can be observed in the actual flow or pool, outside of the sample bottle.

Vegetation

The health of the vegetation in the area surrounding the outfall can be an indicator of potential illicit discharges from the outfall. Various chemicals in an illicit discharge can inhibit or kill the vegetation in the areas surrounding the outfall. Discharges with high nutrient levels – particularly fertilizer runoff – can significantly increase the amount of vegetation around the outfall.

Because outfalls provide a water source, the vegetation around outfalls is typically more productive than areas farther from the outfall, particularly during dry periods. It is important to distinguish between increased vegetation due to available water and excessive vegetation due to nutrients in the runoff. True vegetation impacts due to chemicals or nutrients appear to be rare compared to other physical indicator parameters.

The “vegetation” indicator parameter does not apply to vegetation growing inside the outfall pipe or on the pipe apron. This condition is evaluated under the “benthic growth” parameter.

Vegetation effects were classified as either “inhibited” or “excessive.” The severity was subjectively assigned based on the extent of the vegetation impact that was observed, ranging from *slight* to *severe*.

Benthic Growth

Due to the presence of nutrients, organic materials and moisture, outfall pipes and aprons can commonly host vegetation that grows on the sides and bottoms of the structures. This is particularly common in concrete pipes, which are more porous, but can occur on nearly all pipe materials. The vegetation encountered is typically algae, moss and lichens.

Some degree of benthic growth is present on nearly all storm sewer outfall pipes and appears to increase with age. The presence of benthic growth alone is not typically a reason to classify an outfall as a potential illicit discharge. However, severe cases of benthic growth, especially when combined with other indicators, can be used to classify and trace illicit discharges.

The color of the benthic growth is noted on the inspection report. Green benthic growth is most common in outfalls with sunlight. Brown benthic growth is more common in outfalls with limited sunlight. Other colors, such as orange, can sometimes be present.

The severity of the benthic growth is determined by a subjective analysis of the thickness of the vegetation. A *slight* severity for benthic growth indicates a thin layer, usually a film or the dried stains of former growth. A *moderate* severity is used when an actual depth of vegetation can be observed, typically up to one-half inch deep. A *severe* classification is used when the vegetation changes from a short, “fuzzy” layer to longer, more defined plants with stems and leaves.

Stains

Stains inside pipes, aprons, riprap and channels can be good indicators of past illicit discharges. Clean stormwater typically would not cause stains. However, some non-illicit discharges can cause stains, including tannins from vegetation (brown), road salt (white), minerals (various colors) and suspended solids (gray or brown). Most storm sewer pipes will have some degree of staining due to natural causes, and the stains tend to increase with the age of the structure. These stains are typically found at either the normal or the high flowline for the pipe.

Abnormal stains are typically indicators of past illicit discharges. Common types of stains in this category include oil and grease, paint, concrete washout, and iron discharges (rust). It is important to distinguish between actual iron discharges and normal pipe corrosion, which can occur in metal pipes, and is not an illicit discharge. Corrosion typically occurs along the invert of the pipe, where water may collect and corrode the pipe. Rust stains are typically darker streaks, often originating from a lateral or other incoming pipe.

Stains are useful indicators, since they tend to be persistent, and can often be used to trace the flow path upstream to a source, even after the original illicit discharge has ended. By screening outfalls on a regular basis and documenting the stains with photographs, it is possible to compare the severity of the stains to determine if a discharge is ongoing.

Stains are classified according to the type of stain present (i.e., oil, paint, rust, etc.), as well as their relative severity. The severity is subjectively assigned based on the extent of the staining that was observed, ranging from *slight* to *severe*. Because of the subjective nature of this rating, photographs are extremely helpful for documentation.

Gross Solids

The *Center for Watershed Protection* adopted the concept of Gross Solids regarding illicit discharge detections. Gross solids are materials that are larger than fine solids (silt and clay) and coarse solids (fine sand, fine gravel, and detritus). Gross solids consist primarily of *litter* (human derived trash larger than 4.75 mm), *organic debris* (leaves, branches, seeds, twigs and grass clippings larger than 4.75 mm), and *coarse sediments* (inorganic breakdown products from soils, pavement or building materials greater than 0.075 mm).

The type of gross solid most frequently encountered during outfall inspections appears to be litter (garbage). These materials typically enter the storm sewer from an upstream catchbasin or inlet. Paper, plastic and foam are frequently encountered in manholes, where they can become trapped as they float on the surface. These materials can also travel down storm sewer pipes and swales, ultimately discharging at the outfall.

Vegetative debris, including leaves and grass clippings, can also enter the storm sewer through catchbasins and inlets and travel to the outfall. As with litter, an attempt is made to determine if the vegetative debris traveled through the storm sewer or was deposited at the outfall in another manner.

Coarse sediment is encountered less frequently than litter and vegetative debris. Most of the sediment encountered during outfall inspections is fine sediment that travels through the storm sewer and is deposited at the outfall. This sediment is included in the “Deposition” category of the Physical Condition Assessment on the report, and the sediment depth is recorded. Sediment is typically only considered a Gross Solid physical indicator parameter if it appears that the sediment was illicitly dumped into the storm sewer through a catchbasin, inlet or manhole.

Gross solid severity is similar to the method used for floatables. A *slight* severity for gross solids indicates isolated occurrences of the substance in the pool or flow. A *moderate* severity indicates a broader coverage, including distinct pockets of the substance. A *severe* classification typically describes total coverage of the water surface or manhole.

Observed Conditions

The presence of any physical indicators in the pipe or channel, flow, downstream pool, and surrounding area were recorded at the time of the inspection. Certain physical indicators, such

as color and turbidity, can only be evaluated if flow or downstream pools are present. (Because the inspection criteria for physical indicator parameters have evolved over the past several years, some of the parameters included in the current year's inspections may not have been evaluated in previous years, and those parameters may appear as blank or missing data on earlier reports.)

The presence of one or more physical indicator parameters does not necessarily indicate that an illicit discharge is occurring or has occurred in the past. Certain physical indicators, such as the presence of solid waste or oil sheens in the flow, strongly suggest an illicit discharge has recently occurred. Other indicators, such as staining of the pipe or channel, may indicate that an illicit discharge occurred in the past, although the exact time is not known. Still other physical indicators may have natural or non-illicit causes, and the presence of these parameters alone should not be the grounds for assuming an illicit discharge.

Physical indicators can also be valuable aids when tracing a suspected illicit discharge upstream to the source. Certain physical indicators – pipe and channel stains in particular – are persistent and can be used to trace the flow well after the actual flow has stopped.

The physical indicators observed during the outfall inspections are summarized in Figure 6.

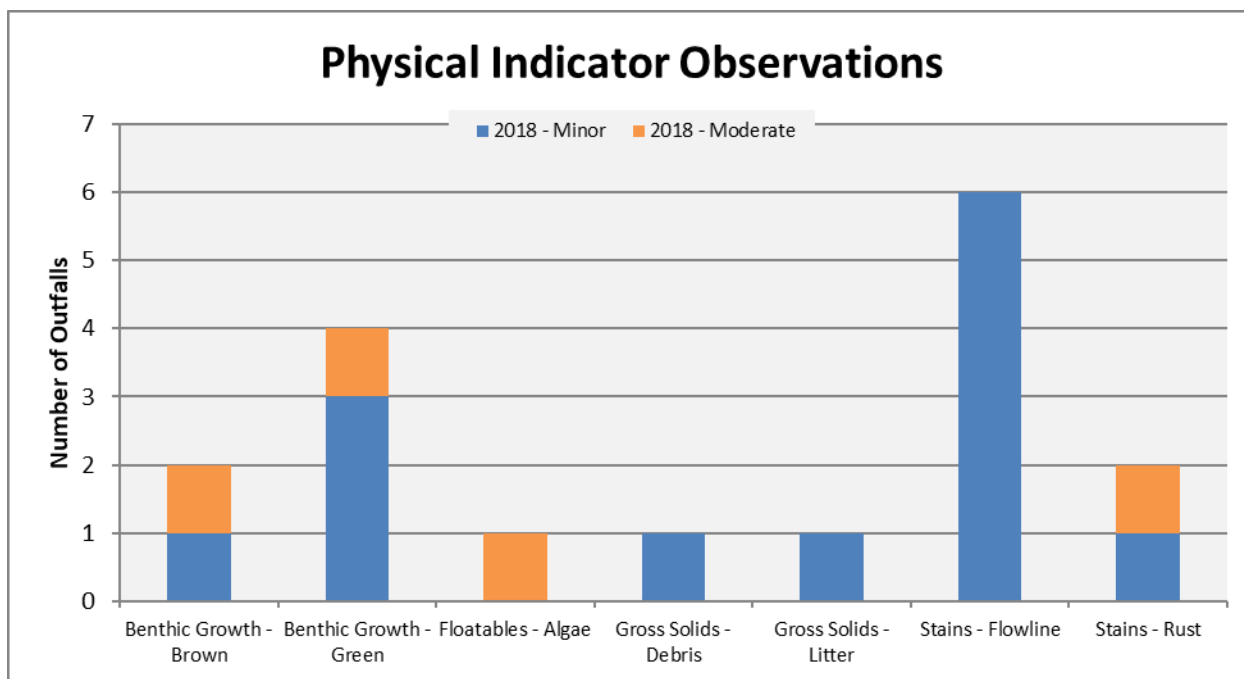


Figure 6 – Physical indicator observations

Benthic growth (green and/or brown) and flowline stains were prevalent at many of the outfalls. These conditions are fairly common and are not typically considered strong indicators of recurring illicit discharges unless they are particularly severe or occur in conjunction with other indicators.

In 2018, 23 outfalls were classified as potential illicit discharge because of the presence of moderate or severe gross solids in their upstream manholes, and one was classified as potential due to significant amounts of dry gross solids (litter) inside the outfall pipe. These outfalls are discussed in more detail in the *Potential Illicit Discharges* section of this report. No other outfalls were classified as potential illicit discharge solely due to physical indicators.

CHEMICAL ANALYSIS

When dry-weather flow is present at an outfall or upstream manhole, chemical indicator parameters can provide valuable information about whether the flow is an illicit discharge, as well as providing clues about the potential sources of the flow. Section 2.3.2.2 of the general permit requires that outfalls with dry-weather flow be sampled for pH, total chlorine, total copper, total phenol and detergents for the initial screening of major outfalls, unless detergent, ammonia, potassium and fluoride were used as alternate parameters.

Under section 2.3.3, the ongoing screening of all outfalls could be modified to include other parameters. For the ongoing screening program, OMNNI tested for the following chemical indicators, based on the 2015 revision to the ongoing screening program:

- pH
- Temperature
- Conductivity
- Chlorine (total and free)
- Ammonia
- Detergents

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially-submerged or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream sampling location, or from the outfall pool if an upstream location was not available. A total of 80 stormwater samples were collected and analyzed as part of the ongoing screening process in 2018 – 14 were from flow streams, and 66 were from pools.

The indicator parameters, testing methods, and results are explained in the sections that follow.

pH

Background

The pH of a stormwater sample can be used to detect the presence of illicit substances in the flow. Neutral water has a pH of 7.0. However, unpolluted rainwater commonly has a pH of 5.0 to 6.0, due to the conversion of carbon dioxide in the atmosphere to carbonic acid. The presence of pollutants in the atmosphere can cause the formation of additional hydrochloric and/or nitric acid in the rainwater, which will further lower pH. The pH of the runoff is typically raised as it reacts with carbonates and other alkaline materials in the rocks and soil. Contact with concrete pipes and channels also raises the pH of the runoff.

The typical pH range for stormwater runoff is from 6.0 to 9.0. Samples with a pH lower than 6.0 or higher than 9.0 would be suspect for illicit discharges. Possible sources of high or low pH include industrial discharges and concrete truck washout.

Testing Method

During the ongoing screening program, OMNNI tested the pH of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the pH reading to 0.01 pH units. The probe was periodically calibrated at 4.01, 7.00 and 10.01 pH

values. The pH reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the pH of the sample can change over time.

Results

The pH results for the pH samples are shown in Figure 7.

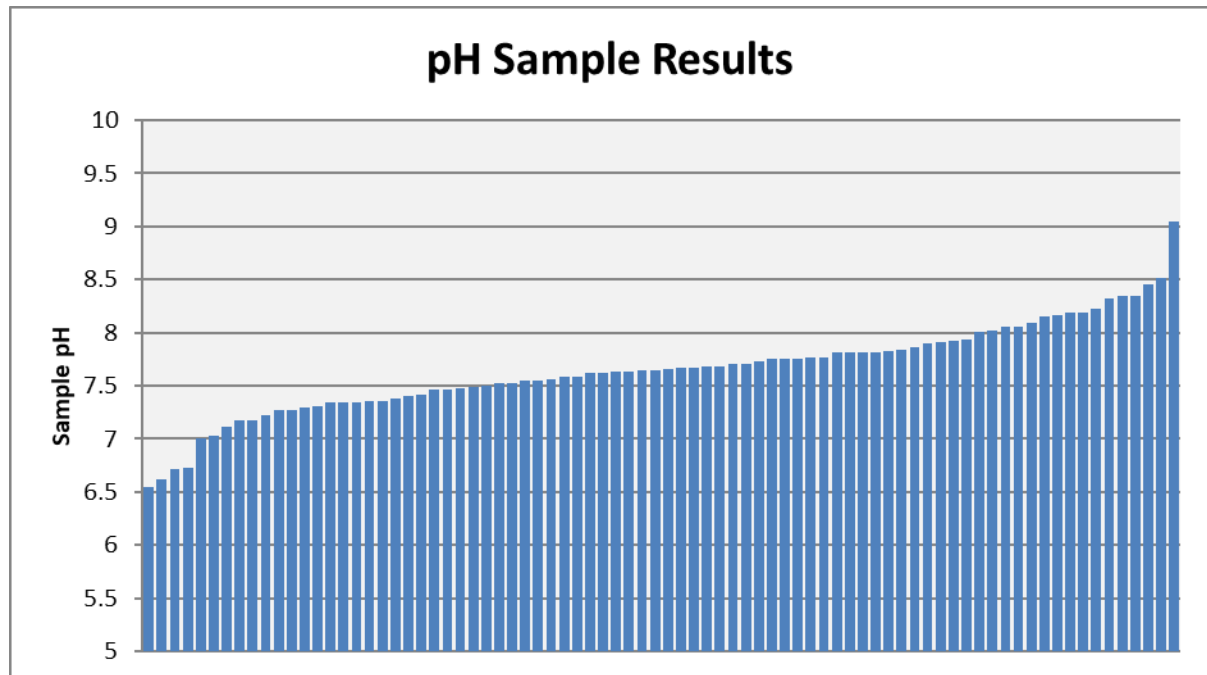


Figure 7 – pH sample results

The pH values ranged from 6.55 to 9.04. One sample (12-1328a) was outside of the 6.0-9.0 normal range. Because the sample also had elevated pH in 2015-2017, the outfall was classified as a potential illicit discharge, and is discussed in more detail in the *Potential Illicit Discharges* section of this report.

Temperature

Background

While not included in the list of parameters required by the general permit, the temperature of a stormwater sample can be useful in determining if the flow is originating from an illicit source. Because most stormwater is conveyed in underground pipes, the temperature of the flow at the outfall is typically expected to be similar to the ground temperature which is often cooler than the ambient temperature in summer. However, stormwater that passes through open channels or ponds upstream of the outfall can be heated directly by the sun and may be close to ambient temperature or even slightly warmer. Temperature is normally only a consideration when the runoff is significantly lower than the ground temperature or higher than the ambient temperature, which can indicate the presence of an industrial discharge. For example, cooling water or process water is typically significantly warmer than the ambient temperature.

Surface temperatures were typically 45 °F or warmer during the inspections. As a result, the “normal” temperature range was set at 45 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

Testing Method

During the ongoing screening program, OMNNI recorded the temperature of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the temperature reading to 0.1 °F. The temperature reading was taken in the sample bottle at the same time the pH was tested, as soon as possible after the sample was collected from the outfall, as the temperature of the small volume of the sample container will rapidly change.

Results

The temperature results for the samples are shown in Figure 8.

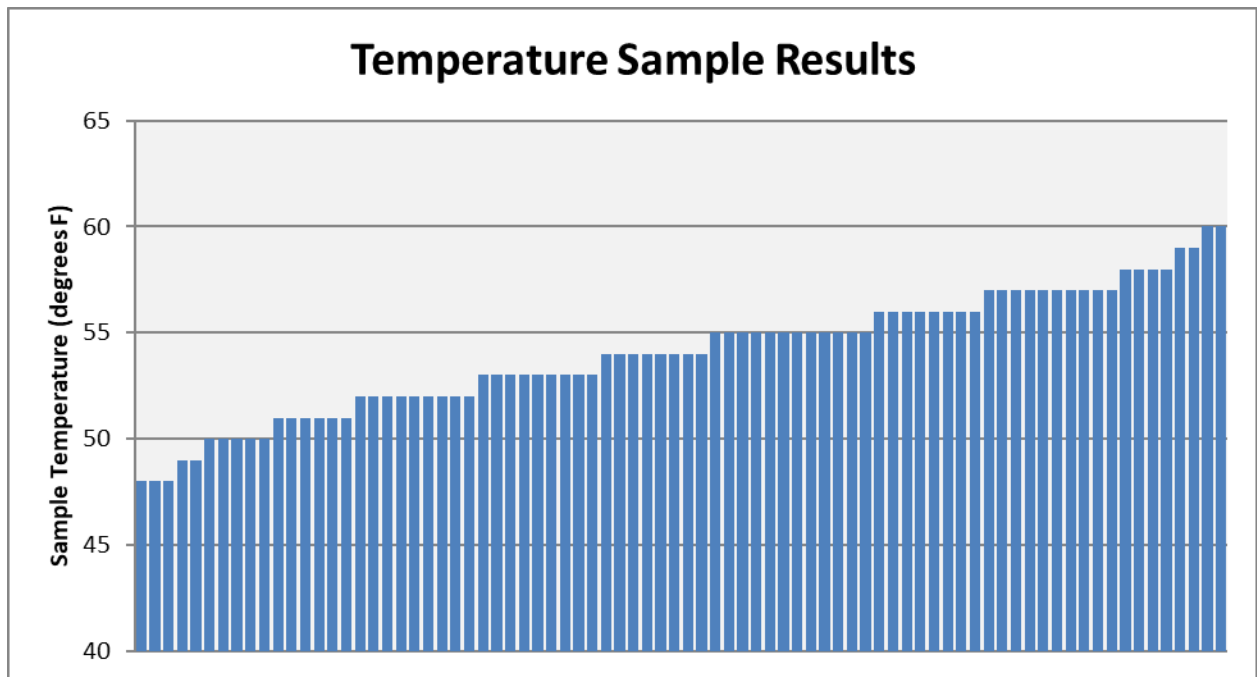


Figure 8 – Temperature sample results

The temperature values ranged from 48 to 60 °F. The samples with the highest temperatures were collected from locations that could be influenced by solar heating, so the upper values were not considered suspect. None of the samples exhibited abnormal temperatures, so none of the samples were considered suspect due to temperature.

Conductivity

Background

While not included in the list of parameters required by the general permit, the conductivity of a stormwater sample can be useful in determining if the flow is originating from an illicit source and identifying potential sources of the discharge. Conductivity is a measure of the ability of water to pass an electrical current. The presence of inorganic dissolved solids (chloride, nitrate, sodium, calcium, iron, etc.) can increase the conductivity of a water sample. Organic compounds (oil, alcohol, sugar, etc.) are not good conductors, and therefore have relatively low conductivities.

Conductivity in surface water is influenced by the local geology. Streams that run through granite bedrock tend to have lower conductivity because granite is composed of more inert

materials that do not ionize when washed into the water. However, streams that run through areas with clay soils tend to have higher conductivity because of the higher ionizing potential of clay. Sanitary sewage can raise the conductivity due to increased levels of chloride, phosphate and nitrate.

Conductivity is typically measured in siemens, with a typical unit of microsiemens per centimeter ($\mu\text{S}/\text{cm}$). Distilled water has a conductivity in the range of 0.5 to 3 $\mu\text{S}/\text{cm}$, while rivers typically have conductivities ranging from 50 to 1500 $\mu\text{S}/\text{cm}$. Conductivity readings above 2000 $\mu\text{S}/\text{cm}$ can sometimes be associated with industrial discharges.¹

Conductivity values under 2000 $\mu\text{S}/\text{cm}$ would be considered to be normal. Samples with conductivities over 2000 $\mu\text{S}/\text{cm}$ would be identified as suspicious, but the discharge would not be considered a potential illicit discharge unless other indicator parameters (physical or chemical) were observed.

Testing Method

During the ongoing screening program, OMNNI recorded the conductivity of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the conductivity reading to 0.01 $\mu\text{S}/\text{cm}$. The conductivity reading was taken in the sample bottle as soon as possible after the sample was collected from the outfall, as the conductivity of the sample can change with temperature.

Results

The conductivity results for the samples are shown in Figure 9.

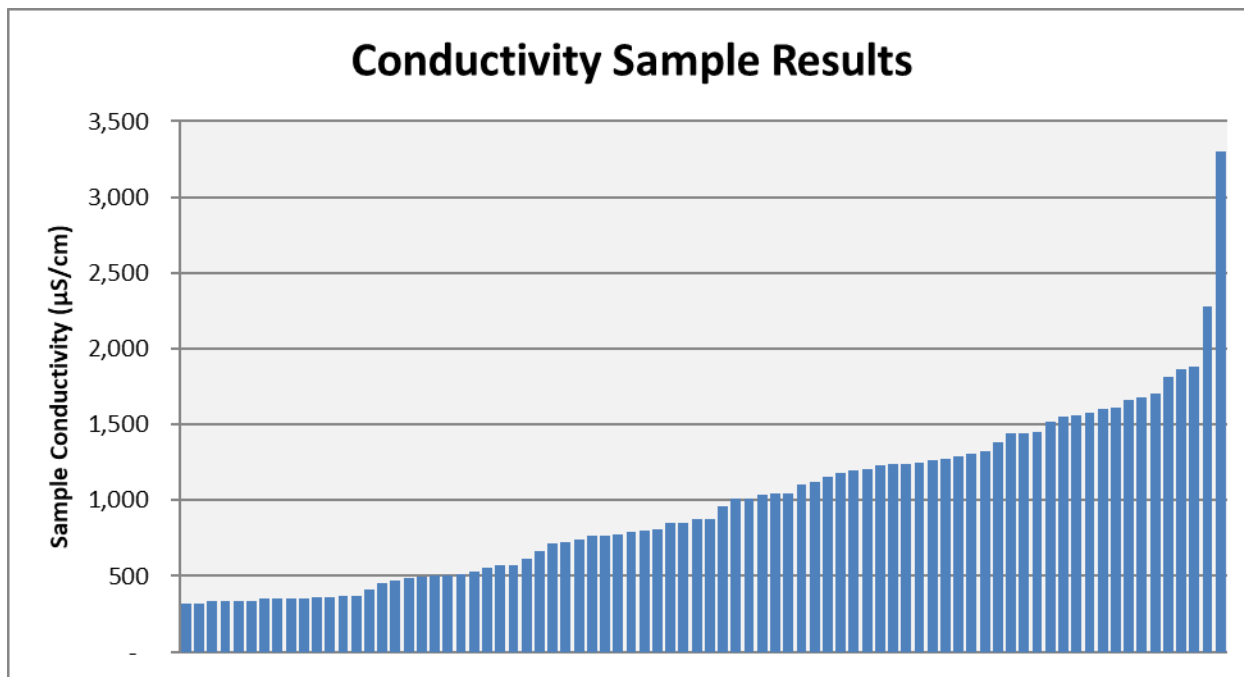


Figure 9 – Conductivity sample results

The conductivity values ranged from 314 to 3,300 $\mu\text{S}/\text{cm}$. Two samples were at or above the 2,000 $\mu\text{S}/\text{cm}$ action limit. Based on other factors, those outfalls may or may not have been

¹ USEPA: Water-Monitoring & Assessment – Conductivity (<http://water.epa.gov/type/rs/monitoring/vms59.cfm>)

classified as potential illicit discharges. The illicit discharge potential of the outfalls with elevated conductivities are summarized in Table 2.

Table 1 – IDDE potential of outfalls with elevated conductivity

Outfall	Ammonia (ppm)	IDDE Potential	Reason
06-253 US1	2,280	Potential	Elevated ammonia and conductivity in manhole pool.
16-844	3,300	Potential	Elevated conductivity and detergent detection in manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

Chlorine

Background

The presence of chlorine in a stormwater sample usually demonstrates the presence of substances other than stormwater runoff. Chlorine is typically an indicator of either potable water (from a chlorinated municipal water supply) or an industrial discharge. It can also be caused by leaking or draining swimming pools. However, chlorine can also be present in non-illicit discharges (as defined by the general permit and the City's illicit discharge ordinance), including residential car washing, lawn irrigation, hydrant flushing, water main breaks, and industrial discharges regulated under a WPDES permit. Therefore, the presence of chlorine in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

Dissolved chlorine is measured using three different values: free chlorine, combined chlorine, and total chlorine. Free chlorine represents the "unbound" chlorine molecules in solution, which are the most effective for disinfecting. Combined chlorine represents the chlorine molecules that are bound to other organic molecules, such as chloramines, which are also commonly used in drinking water disinfection. Total chlorine represents the sum of the free chlorine and the combined chlorine. The general permit requires sampling for total chlorine.

Action levels were established by OMNNI for most chemical indicators. A test result that exceeds the action level warrants follow-up investigation. In general, the action level for total chlorine is set at 0 mg/L. Any detection of chlorine indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for total chlorine and free chlorine using *Hach Free & Total Chlorine Test Strips, 0-10 mg/L*. These test strips had result steps of 0, 0.5, 1, 2, 4 and 10 mg/L. The chlorine tests were taken in the sample bottle as soon as possible after the sample was collected from the outfall, as chlorine can dissipate over time.

Results

None of the samples tested positive for free chlorine or total chlorine, so none of the samples were considered suspect due to chlorine.

Ammonia

Background

While not included on the list of required parameters in the general permit, ammonia is a valuable test parameter to identify potential illicit discharges. Besides being present in industrial discharges, ammonia can also be an indicator of wastewater or washwater discharges, which are often indicators of sanitary sewer cross-connections. When tested along with potassium, it is possible to use the ratio of ammonia to potassium to distinguish between wastewater and washwater. However, since both typically originate from sanitary sewer, this determination is not usually required to identify an illicit discharge.

It should be noted that there are also several natural sources of ammonia which do not constitute an illicit discharge. Waste from pets and wildlife can cause ammonia in the runoff, particularly if wildlife frequently inhabit the storm sewer pipes and manholes. Storm sewers connected to stagnant water or wetlands frequently have elevated ammonia levels due to microbial decay of plant and animal proteins. In addition, ammonia may be present in industrial discharges with a WPDES permit. Ammonia is also sometimes present in HVAC condensate, which is allowed to be discharged under the MS4 general permit.

Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for ammonia using *Hach Ammonia (Nitrogen) Test Strips, 0-6.0 ppm*. These test strips had result steps of 0, 0.25, 0.5, 1, 3, and 6 ppm $\text{NH}_3\text{-N}$. The ammonia tests were conducted in a separate vial of stormwater taken from the sample bottle as soon as possible after the sample was collected from the outfall, as the ammonia concentration can dissipate over time.

Results

The ammonia results for the samples are shown in Figure 10.

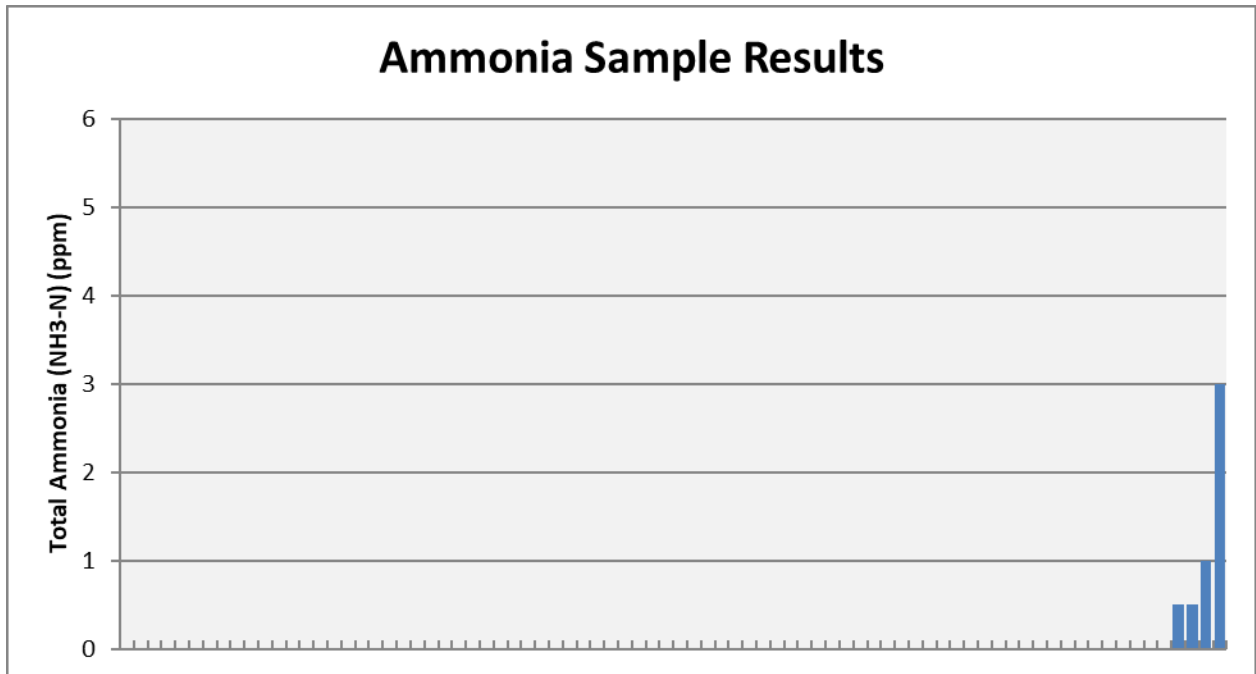


Figure 10 – Ammonia sample results

The ammonia values ranged from 0 to 3 ppm. Two samples were at or above the 1 ppm action limit. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with ammonia detections are summarized in Table 2.

Table 2 – IDDE potential of outfalls with ammonia detections

Outfall	Ammonia (ppm)	IDDE Potential	Reason
08-937 US1	1	Unlikely	No other indicator parameters out of range. Assumed to be decomposition product.
06-253 US1	3	Potential	Elevated ammonia and conductivity in manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

Detergents

Background

The presence of detergents in the outfall sample is usually an indication of the presence of wastewater and/or washwater. This is typically the result of a sanitary sewer cross connection or washwater dumped in or near a stormwater inlet. However, detergent can also be present in non-illicit discharges (as defined by the general permit and the municipality's illicit discharge ordinance), including runoff from residential car washing. Therefore, the presence of detergent in a sample indicates the presence of a non-stormwater source; however, the source should be identified to determine if it is an illicit discharge.

There are four main classes of detergents:

- Anionic detergents (negatively charged) – Common in dishwasher detergents, liquid and powdered laundry detergents, carwash detergents, and shampoo. Anionic detergents have excellent cleaning properties and high sudsing potential.
- Cationic detergents (positively charged) – Used for germicides, fabric softeners and emulsifiers. Cationic detergents have poor cleaning properties by themselves but can help anionic detergents be more effective.
- Nonionic detergents (ionically inert) – Common in hand dishwashing liquids, household cleaners, and laundry detergents (especially in combination with anionic detergents). Nonionic detergents are excellent grease removers.
- Amphoteric detergents (negatively or positively charged, based on pH) – Found in shampoo and cosmetic products due to their mild chemical nature. Amphoteric detergents are also found in hand dishwashing liquids due to their high sudsing potential.

Unfortunately, due to the diverse classes of detergents, there is no single test to detect the presence of all detergents. The most common test – the Methylene Blue Active Substances (MBAS) test – is only effective in identifying the presence of anionic detergents.

The general permit requires sampling for detergents. In general, the action level for detergents is set at 0 mg/L. Any detection of detergent indicates the presence something other than stormwater in the sample. Depending on the source, it may or may not be an illicit discharge.

Testing Method

During the ongoing screening program, OMNNI tested the outfall samples for detergents using MBAS method with the equipment and reagents provided in the *Hach Stormwater Test Kit*. This is a colorimetric test method in which the intensity of the color in the reagent can be used to estimate the anionic detergent concentration. In most cases, a clear result indicates no detergent in the sample, and a blue tint indicated a positive detection of detergent.

In some samples with high turbidity, the MBAS test method results in foam or bubbles in the solution. These bubbles have no impact on the overall test result, and if the bubbles and solution are clear, the result is a negative test for detergent.

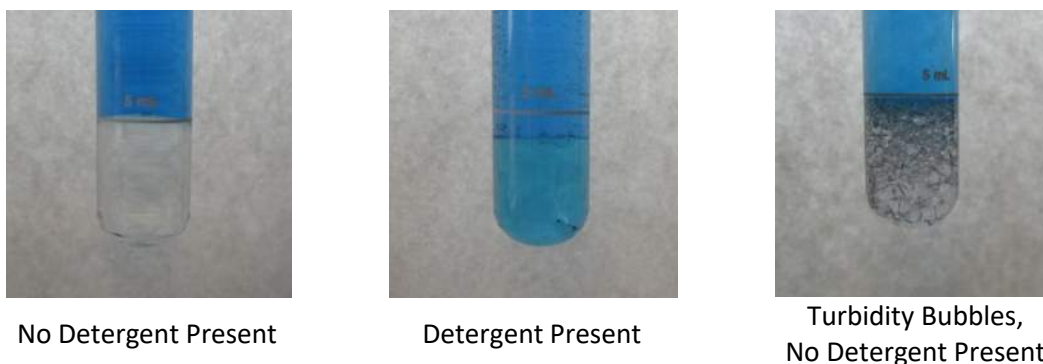


Figure 11 – Typical MBAS Detergent Test Results

Because of the equipment and reagents (including chloroform) used in the MBAS test, the detergent test was conducted in the office at the end of the day. OMNNI's experience with samples that have tested positive for detergent show that little dissipation occurs within 48 hours of testing, so same-day testing for detergents was an acceptable approach.

Results

The detergent results for the samples are shown in Figure 12.

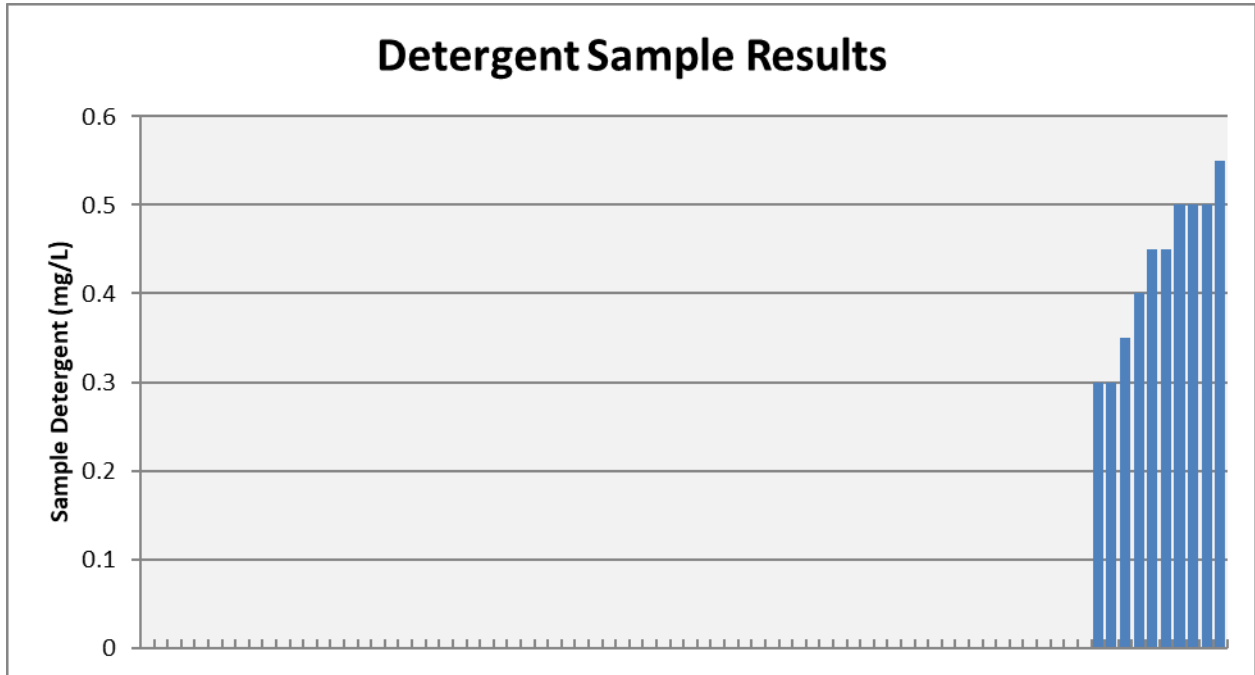


Figure 12 – Detergent sample results

The detergent values ranged from 0 to 0.55 mg/L, with ten samples showing positive detections of detergent. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with detergent detections are summarized in Table 3.

Table 3 – IDDE potential of outfalls with detergent detections

Outfall	Detergent (mg/L)	IDDE Potential	Reason
13-2332 US1	0.3	Potential	Detergent detected in upstream manhole flow.
06-494 US1	0.3	Potential	Detergent detected in upstream manhole pool.
16-660 US1	0.35	Potential	Detergent detected in upstream manhole flow.
16-995 US1	0.4	Potential	Detergent detected in upstream manhole pool.
16-844	0.45	Potential	Detergent and elevated conductivity in flow from outfall.
13-3774	0.45	Potential	Detergent detected in flow from outfall.
06-610	0.5	Potential	Detergent detected in flow in manhole.
13-471	0.5	Potential	Detergent detected in flow from outfall.
06-473	0.5	Potential	Detergent detected in flow in manhole.
16-1205 US1	0.55	Potential	Detergent detected in upstream manhole pool.

The outfalls that were considered potential or obvious illicit discharges are discussed in more detail in the *Potential Illicit Discharges* section of this report.

POTENTIAL ILLICIT DISCHARGES

After examining the presence of physical indicators at each outfall and any chemical indicators present in the stormwater samples, each outfall was assigned one of the following classifications, in order of increasing likelihood of the presence of current or past illicit discharges:

- Unlikely – no significant physical or chemical evidence of current or past illicit discharge
- Potential – presence of physical and/or chemical indicators, but no strong visible evidence
- Obvious – visible and/or strong chemical evidence of current or past illicit discharge

Of the 91 inspected outfalls, 56 were classified as unlikely, 35 were classified as potential, and none were classified as “obvious.” The outfalls that were classified as anything other than “unlikely” are summarized in the table below and discussed in more detail in the following sections. A map showing the locations of these outfalls is included in Appendix C.

Table 4 – Outfalls with elevated illicit discharge classifications

Outfall	Classification	Reason
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2015, 2016 and 2017).
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015, 2016 and 2017).
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2015, 2016, and 2017).
03-81	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2014, 2016 and 2017). (Past results of oil sheen/odor, detergent and elevated ammonia.)
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015, 2016 and 2017).
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
06-216	Potential	Persistent gross solids in upstream manhole (also present in 2010).
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2016 and 2017).
06-253	Potential	Elevated ammonia in upstream manhole sample (also present in 2017).
06-473	Potential	Detergent detected in manhole (outfall).
06-494	Potential	Detergent detected in manhole (outfall).

Outfall	Classification	Reason
06-610	Potential	Detergent detected in manhole (outfall).
06-810	Potential	Persistent gross solids in upstream manhole.
06-829	Potential	Persistent gross solids in upstream manhole (also present in 2012, 2013 and 2014).
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
09-101c	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012 and 2014).
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015, 2016 and 2017).
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015, 2016 and 2017).
12-1328a	Potential	Elevated pH (also present in 2015, 2016 and 2017).
13-471	Potential	Detergent detected in outfall flow.
13-2332	Potential	Detergent detected in upstream manhole.
13-3774	Potential	Detergent detected in outfall flow.
16-436	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2011).
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2016 and 2017).
16-660	Potential	Detergent detected in upstream manhole sample (also detected in 2017).
16-844	Potential	Elevated conductivity and detergent in outfall flow.
16-995	Potential	Detergent detected in upstream manhole sample (also detected in 2017).
16-1205	Potential	Detergent detected in upstream manhole.

A chart showing the number of outfalls inspected over the past ten years (starting with the initial screening in 2009) and the number of potential or obvious illicit discharges is shown in Figure 13.

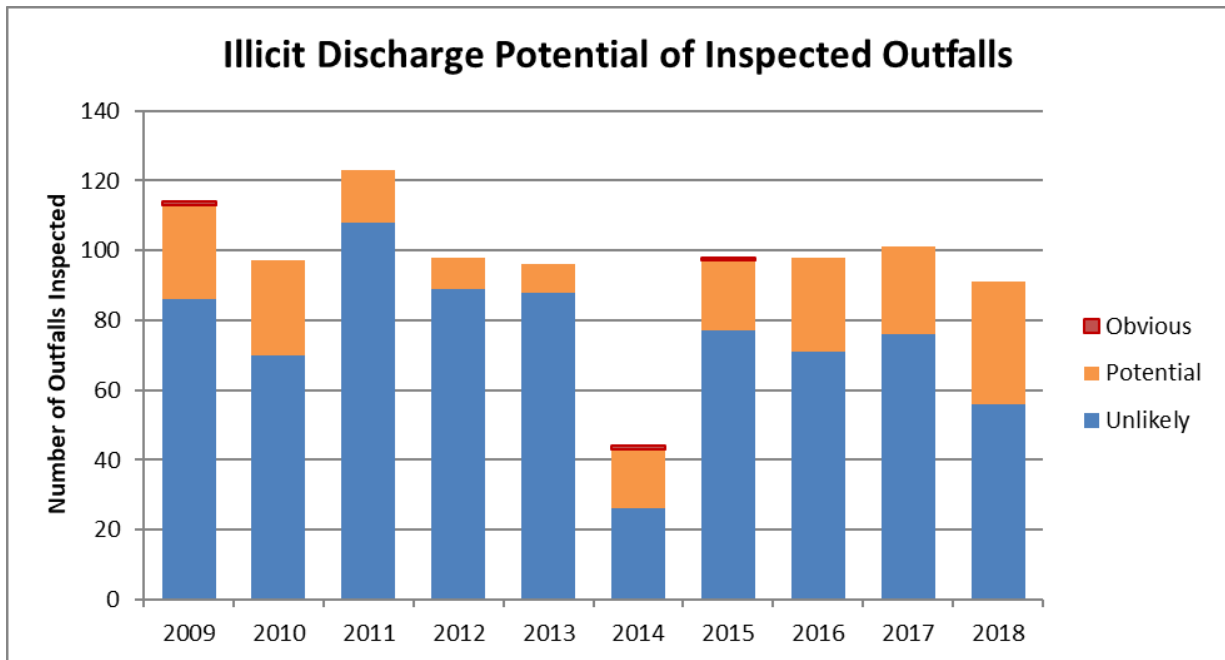


Figure 13 – Illicit discharge potential of inspected outfalls

The outfalls with potential or obvious illicit discharges are described in more detail below.

Upstream Manholes with Significant Floatable Debris

During the 2018 ongoing screening program, 23 upstream manholes contained significant amounts of floatable debris (gross solids), including plastic bottles, foam packaging, and other solid waste, and were classified as potential illicit discharges. This effect was most pronounced at manholes upstream of a fully-submerged outfall, where the storm sewer pipes within the manhole were also fully-submerged. In these cases, any floatable debris traveling along the top of the storm sewer pipe will enter the manhole and will remain trapped on the surface of the manhole pool, as they are not able to escape through the submerged outlet pipe. In these cases, the submerged manhole acts as a trap for much of the floatable debris.

While some may not consider gross solids a true illicit discharge, it does meet the definition of an illicit discharge, since it is a substance present in the discharge that is not comprised entirely of stormwater. In most cases, there will be one or more access points which allow the debris to enter the MS4. Because of this, the presence of significant floatable debris in upstream manholes caused the illicit discharge potential of the outfall to be raised to “potential.” Upstream manholes with isolated solid waste or debris (generally three or fewer pieces) are not included in this list and were not considered potential illicit discharges.

Note that in some cases, sediment and/or vegetation falls into the manhole when the manhole cover is removed, and those materials also appear in the photos. The severity of the floatable debris is based on the presence of the original debris and solid waste.

Upstream manholes that were classified as “potential” sources of illicit discharge due to significant floatable debris during the 2009-2017 screening programs are shown in the table in Appendix D. The 2018 screening results are also shown.

The outfalls with continuing observations of significant floatable debris were classified as priority outfalls in the revised ongoing screening program. This designation will cause them to be screened annually. These manholes should be cleaned several months prior to the scheduled outfall screening. By doing this, it will be possible to determine if the debris is from a prior discharge, or if the problem is ongoing. If it is determined that it is an ongoing problem, upstream inlets, especially those located near dumpsters or other solid waste storage areas, should be closely examined in an attempt to locate the source of the discharge. These areas could then be targeted for public education campaigns.

A map showing the locations of the manholes with floatable debris is included in Appendix D.

Outfall 06-253 (Campbell Road)

Outfall 06-253 consists of a 34x53 inch reinforced concrete pipe (RCP) that discharges into the Fox River at the end of the extension of Campbell Road. The pipe may be the effluent pipe for the wastewater treatment plant. The pipe is fully submerged.



Figure 14 - Outfall 06-253 (2018)

Because the outfall is fully submerged, it is screened at the upstream manhole (06-253 US1) located approximately 266 feet upstream of the outfall, in the senior center parking lot.



Figure 15 – Upstream manhole 06-253 US1 (2018)

During the 2017 screening, the sample collected from manhole 06-253 US1 had an elevated level of ammonia. No other parameters were outside of the normal range, although conductivity was approaching the 2,000 $\mu\text{S}/\text{cm}$ action level.

Because this outfall is a priority outfall, it was rescreened as part of the 2018 screening program. The screening showed that the ammonia was once again elevated, and conductivity was above the 2,000 $\mu\text{S}/\text{cm}$ action level.

The samples collected from the upstream manhole during prior screenings are summarized in Table 5:

Table 5 - Sample results from outfall 06-253

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S}/\text{cm}$)
9/10/2009	Upstream	N/A	0	6.92	N/A
8/18/2010	Upstream	0	0	7.05	N/A
9/23/2015	Upstream	0	0	7.53	1,220
10/18/2016	Upstream	0	0	7.01	1,228
10/19/2017	Upstream	3	0	7.15	1,990
10/24/2018	Upstream	3	0	7.27	2,280

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 06-473 (Mason Street)

A large metal box culvert runs from 9th Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-473 is located where the 24" storm sewer from Mason Street discharges to the culvert from the south, just south of W. 5th Avenue. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole.



Figure 16 - Outfall 06-473 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with a slight flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 6:

Table 6 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
10/25/2018	Manhole	0	0.5	8.15	1,289
10/26/2018	Manhole	0	0.3	8.25	1,080

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W. 9th Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 06-494 (W. 4th Avenue)

A large metal box culvert runs from 9th Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-494 is located where the 36x58" storm sewer from W. 4th Avenue discharges to the culvert from the west, between Mason Street and Sawyer Street. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole, at the intersection of W. 4th Avenue and Mason Street.



Figure 17 - Outfall 06-494 US1 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with indeterminate flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 7:

Table 7 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
10/25/2018	Manhole	0	0.3	8.32	1,884
10/26/2018	Manhole	0	0.5	8.36	1,787

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W. 9th Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 06-610 (W. 5th Avenue)

A large metal box culvert runs from 9th Avenue (Franklin Elementary School) to Witzel Avenue (east of Lourdes High School). Because this culvert diverts a stream, it is considered a Water of the State, and outfalls are located wherever storm sewer lines discharge to it. Outfall 06-610 is located where the 15" storm sewer from W. 5th Avenue discharges to the culvert from the west. Because it was not possible to screen at the actual junction, the outfall was screened at the nearest manhole, at the intersection of W. 5th Avenue and Mason Street.



Figure 18 - Outfall 06-610 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with indeterminate flow. Detergent was detected in the sample that was collected. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 8:

Table 8 - Sample results from outfall 06-473

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
10/25/2018	Manhole	0	0.5	8.09	1,272
10/26/2018	Manhole	0	0.45	8.17	1,215

No apparent sources were readily identified during the field screening. Because of additional detergent detections in the area, this detergent detection could be related to the discharge at outfall 13-471 at W. 9th Avenue.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 12-1328a (Nolte Avenue detention basin)

Outfall 12-1328a consists of a 42-inch reinforced concrete pipe that discharges the northeast corner of the detention basin located between W. Snell Road and Algoma Blvd. This segment of storm sewer was reconstructed in 2014 as part of the I-41 /Algoma Blvd (USH 45) overpass. This outfall replaces former outfall 12-1328, which was located at the west end of Fernau Avenue.



Figure 19 – Outfall 12-1328a (2018)

The outfall was first screened on September 23, 2015. During that screening, a trickle discharge was observed, with a white, silty substance. The silt was observed inside the pipe, on the apron, and on the riprap downstream of the apron. The sample that was collected from the flow had the following chemical indicator parameters outside of normal range:

- Ammonia: 1 ppm
- pH: 11.66
- Conductivity: 2,470 $\mu\text{S}/\text{cm}$

In addition, the sample reacted with the chlorine test strips to turn yellow, rather than their typical graduated shades of purple. This typically indicates that another chemical is present in the sample that interferes with the test strips.

OMNNI traced the discharge on September 28, 2015. A sample from the outfall had a pH of 9.73. Upstream tracing was conducted primarily using visible flow and white staining and supplemented with pH samples. The discharge was traced to a 6-inch pipe that was tapped into a curb inlet (582A) near the intersection of Walter Street and Fernau Avenue. The pipe appeared to be coming from the Carew concrete plant. A sample collected from this pipe had a pH of 12.28, and white staining was present in the pipe, confirming that it was the source of the discharge.



Figure 20 – Inlet 582A (9/28/2015)



Figure 21 – Pipe discharging into inlet 582A (9/28/2015)

The Illicit Discharge Coordinator was notified of this pipe on September 28, 2015, and OMNNI and City personnel met with a representative of Carew Concrete on September 29, 2015 to attempt to identify the source of the discharge. No upstream inlets or catchbasins were located on the property. City personnel inserted a temporary plug in the end of the pipe to stop the discharge.

During the 2016 screening on October 10, 2016, it was observed that the pipe in the upstream catchbasin had been permanently plugged.

The samples collected from the outfall and/or upstream manhole during prior screenings are summarized in Table 9:

Table 9 - Sample results from outfall 12-1328a

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/23/2015	Outfall	1	0	11.66	2,470
10/10/2016	Outfall	0	0	9.45	880
10/18/2017	Outfall	0	0	9.23	1,563
10/24/2018	Outfall	0	0	9.04	792

Because of the industrial nature of the drainage basin and the identified illicit discharge, outfall 12-1328a was classified as a priority outfall and will be screened annually. If the elevated pH is due to residual contamination in the pipe, the pH should continue to decrease with future screenings. This process could be accelerated if the City jets the storm sewer between inlet 582A and the outfall.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 13-471 (W. 9th Avenue)

Outfall 13-471 consists of a 48x76 elliptical concrete pipe that discharges to a channel north of W. 9th Avenue. After flowing approximately 400 feet, the channel enters the large metal box culvert that flows north to Witzel Avenue and discharges east of Lourdes High School.



Figure 22 - Outfall 13-471 (2018)

During the 10/25/2018 screening, the outfall was partially submerged with significant flow. A sample was collected from the flow, which tested positive for detergent. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 10:

Table 10 - Sample results from outfall 13-471

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/4/2009	Outfall	N/A	0	8.38	N/A
6/13/2012	Outfall	0	0	7.91	1,579
10/25/2018	Outfall	0	0.5	8.16	1,209
10/26/2018	Outfall	0	0.4	8.18	1,183

No apparent sources were readily identified during the field screening. This detergent discharge may be related to the detections at downstream outfalls 06-473, 06-494 and 06-610.

Because this outfall is a non-priority major outfall, it would normally be scheduled to be screened in 5 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 13-2332 (Fox Tail Ln)

Outfall 13-2332 consists of a 33x60 elliptical concrete pipe that discharges to a channel north of Fox Tail Lane, near Traeger Middle School.



Figure 23 - Outfall 13-2332 (2018)

Because the outfall was partially submerged during the 10/24/2018 screening, it was screened at the upstream catchbasin (13-2332 US1) located approximately 30 feet upstream of the outfall.



Figure 24 – Upstream manhole 13-2332 US1 (2018)

During the 10/24/2018 screening, the outfall was partially submerged with slight flow. A sample was collected from the flow, which tested positive for detergent. Because of this, a second sample was collected on 10/26/2018, which also contained detergent.

The samples summarized in Table 11:

Table 11 - Sample results from outfall 13-2332

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/3/2009	Manhole	N/A	0	8.04	N/A
6/12/2012	Manhole	0	0	7.64	982
10/24/2018	Manhole	0	0.3	7.56	1,107
10/26/2018	Manhole	0	0.35	7.66	1,082

Additional tracking was conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which should not have impacted the results.) During this tracking, the flow was traced back to manhole 13-2334, located between W. 20th Avenue and Montclair Place. A sample from the pipe entering the manhole from the south had a detergent concentration of 0.80 mg/L, indicating that the source of the detergent is likely from one of the branches along W. 20th Avenue or S. Oakwood Road.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019. If the detergent is still present, and additional tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 13-3774 (Armory Pond)

Outfall 13-3774 consists of a 66" reinforced concrete pipe that discharges to the west side of the recently-constructed Armory pond, near the end of Menard Drive. The drainage area for this outfall consists primarily of the commercial area east of S. Koeller Street, between 9th Street and 2th Street.



Figure 25 - Outfall 13-3774 (2018)

A sample was collected from the trickle flow from the outfall on 10/25/2018. Detergent was detected in this sample at 0.45 mg/L. Because of this detection, the outfall flow was resampled on 10/26/2018, and the detergent concentration was 0.85 mg/L. No other indicator parameters were above action limits.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) Screening started at the first upstream manhole, which was the large vault immediately north of the outfall.



Figure 26 – Upstream manhole 13-3774 (2018)

A sample was collected from the flowline of the manhole, at the upstream end of the 66" outfall pipe. This sample contained no detergent. However, suds were noted on the bench at the outlet of the pipe entering the manhole from the west. The detergent test for the sample collected from this pool was also negative.



Figure 27 – Flowline of manhole 13-3774 (2018)



Figure 28 – Sample from west – manhole 13-3774 (2018)

Additional upstream manholes in the Shopko parking lot and on Menard Drive were also screened. If any flows were present, they were not sufficient to collect a sample for detergent testing. As a result, no suspected source or direction was determined for the detergent in the flow.

The samples summarized in Table 12:

Table 12 - Sample results from outfall 13-3774

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/28/2015	Outfall	0	0	8.07	455
10/19/2016	Outfall	0	0	8.07	1,396
10/18/2017	Outfall	0	0	7.88	1,262
10/25/2018	Outfall	0	0.45	7.94	1,865
10/26/2018	Outfall	0	0.85	7.91	1,745
10/29/2018	Manhole – flowline	N/A	0	N/A	2,020
10/29/2018	Manhole – west pool	N/A	0	N/A	1,028
10/29/2018	Pond	N/A	0.15	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019. If detergent is still present, additional upstream tracking will be performed.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 16-660 (Fall Creek Lane)

Outfall 16-660 consists of a 21-inch RCP that discharges into the south end of a detention basin between Westhaven Drive and Sawyer Creek. The drainage basin for the storm sewer is primarily a residential area.



Figure 29 - Outfall 16-660 (2018)

This outfall tested positive for detergent (0.55 mg/L) in 2017, so it was rescreened in 2018.

Because the outfall was partially submerged, it was screened at the upstream manhole (16-660 US1) located approximately 257 feet upstream of the outfall, at the end of Fall Creek Lane.



Figure 30 – Upstream manhole 16-660 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) No detergent was detected on this day, but the source of the flow in the manhole was investigated. The flow appeared to originate between manholes 16-1227 and 16-1230, near 335 Sunnybrook Drive. However, this does not indicate that this is the source of the detergent.

The samples collected from the upstream manhole during prior screenings are summarized in Table 13:

Table 13 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
5/30/2012	Manhole	0	0	8.35	1,148
10/3/2017	Manhole	0	0.55	8.26	845
10/17/2017	Manhole	0	0	7.78	926
10/25/2018	Manhole	0	0.35	7.90	1,037
10/26/2018	Manhole	0	0.70	7.83	1,063
10/29/2018	Manhole	0	0	N/A	N/A

If the source of the detergent was “individual residential car washing,” the MS4 permit does not consider this an illicit discharge. However, because the exact source of the detergent was not identified, it cannot be considered exempt at this time.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 16-844 (N. Koeller Street)

Outfall 16-844 consists of an 18-inch RCP that discharges into Sawyer Creek on the south side of N. Koeller Street. The drainage basin for the storm sewer is primarily a commercial area along Koeller Street, between Witzel Avenue and Sawyer Creek, just west of the former Kmart building.



Figure 31 - Outfall 16-844 (2018)

Detergent and elevated conductivity was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) Detergent was detected in the outfall flow, as well as from a manhole pool immediately upstream (west) of Taft Avenue. The remaining manholes were wet, but no samples could be collected.

The samples collected from the outfall during prior screenings are summarized in Table 14:

Table 14 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
6/6/2012	Outfall	0	0	8.10	5,050
9/28/2015	Outfall	N/A	N/A	N/A	N/A
10/18/2016	Outfall	0	0	8.29	3,880
10/17/2017	Outfall	0	0	8.35	1,704
10/25/2018	Outfall	0	0.45	8.22	3,300
10/26/2018	Outfall	0	0.5	8.19	3,550
10/29/2018	Outfall	0	0.65	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 16-995 (Patriot Lane)

Outfall 16-660 consists of a 30-inch high density polyethylene (HDPE) pipe that discharges into a low area at the end of Patriot Lane. The drainage basin for the storm sewer is primarily a residential area.



Figure 32 - Outfall 16-995 (2018)

This outfall tested positive for detergent (1.3 mg/L) in 2017, so it was rescreened in 2018.

Because the outfall was partially submerged, it was screened at the upstream manhole (16-995 US1) located approximately 112 feet upstream of the outfall, in the sidewalk at the end of Patriot Lane.



Figure 33 – Upstream manhole 16-995 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample.

Preliminary tracking activities were conducted on 10/29/2018. (The area received 0.2 inches of rain the previous day, which may have impacted the results.) The sample from the upstream manhole had detergent. The next upstream manhole (16-997) was dry. Therefore, no source of flow or detergent was identified.

The samples collected from the upstream manhole during prior screenings are summarized in Table 15:

Table 15 - Sample results from outfall 16-995

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S}/\text{cm}$)
6/6/2012	Upstream	0	0	7.36	411
10/3/2017	Upstream	0	1.3	7.45	333
10/17/2017	Upstream	0	0.8	7.54	582
10/25/2018	Upstream	0	0.4	7.86	1,011
10/26/2018	Upstream	0	0.85	8.02	1,143
10/29/2018	Upstream	N/A	0.15	N/A	N/A

If the source of the detergent was “individual residential car washing,” the MS4 permit does not consider this an illicit discharge. However, because the exact source of the detergent was not identified, it cannot be considered exempt at this time.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

Outfall 16-1205 (Westowne Avenue)

Outfall 16-1205 consists of a 15-inch RCP that discharges the flow from one curb inlet on Westowne Avenue into the detention basin adjacent to the Shell gas station and McDonalds.



Figure 34 - Outfall 16-1205 (2018)

Because the outfall was partially submerged, it was screened at the upstream manhole (16-1205 US1) located approximately 36 feet upstream of the outfall, in Westowne Ave.



Figure 35 – Upstream manhole 16-1205 US1 (2018)

Detergent was detected in the 10/25/2018 sample, as well as the 10/26/2018 follow-up sample. The pool in the curb inlet was below the invert of the outfall pipe, so the sample was collected from the sump. Because the curb inlet is the only storm sewer component in the drainage basin, no additional tracking was possible.

The samples collected from the upstream manhole during prior screenings are summarized in Table 16:

Table 16 - Sample results from outfall 16-1205

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
6/21/2012	Upstream	N/A	N/A	N/A	N/A
9/28/2015	Upstream	N/A	N/A	N/A	N/A
10/18/2016	Upstream	N/A	N/A	N/A	N/A
10/3/2017	Upstream	N/A	N/A	N/A	N/A
10/25/2018	Upstream	0	0.55	7.68	661
10/26/2018	Upstream	0	0.5	7.42	74

In past years, if the sump level was below the level of the outfall pipe, no sample was collected.

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2019.

Additional information related to the investigation of this outfall is contained in Appendix D.

STATUS OF PRIOR YEAR'S ISSUES

During the 2017 ongoing screening program, 101 outfalls were screened. The screening revealed 25 potential illicit discharges. Those outfalls identified as potential or obvious illicit discharges were typically recommended to be rescreened in the following year, regardless of their priority status or inspection schedule.

Table 17 summarizes the issues that were identified in 2017, along with the conditions that were observed during the 2018 rescreening. Follow-up actions for outfalls that are still listed as potential or obvious illicit discharges are discussed in greater detail in the "Potential Illicit Discharges" section of this report. If the rescreening resulted in an unlikely illicit discharge, the outfall will return to its normal screening schedule.

Table 17 – Outfalls with elevated illicit discharge classifications (prior year)

Outfall	2017 Classification	2017 Reason	2018 Observations	2018 Classification
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).	Severe gross solids present in upstream manhole.	Potential
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-81	Potential	Oil sheen/odor, detergent and elevated ammonia in upstream manhole, with gross solids (also present in 2009, 2010, 2014 and 2016).	Moderate gross solids present in upstream manhole.	Potential
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016). Evidence of past spill of waxy material on manhole.	Moderate gross solids present in upstream manhole.	Potential

Outfall	2017 Classification	2017 Reason	2018 Observations	2018 Classification
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015 and 2016).	Severe gross solids present in upstream manhole.	Potential
05-241	Potential	Detergent detected in upstream manhole sample.	No detergent or other chemical indicators detected.	Unlikely
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2016).	Minor gross solids present in upstream manhole.	Potential
06-253	Potential	Elevated ammonia in upstream manhole sample.	Elevated ammonia and conductivity in upstream manhole sample.	Potential
06-1371	Potential	Significant gross solids (dry litter) inside pipe.	No formal screening conducted. Litter not observed.	N/A
06-1746	Potential	Detergent detected in sample from outfall pool.	No detergent or other chemical indicators detected.	Unlikely
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential

Outfall	2017 Classification	2017 Reason	2018 Observations	2018 Classification
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).	Moderate gross solids present in upstream manhole.	Potential
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015 and 2016).	Minor gross solids present in upstream manhole.	Potential
12-1328a	Potential	Elevated pH (also present in 2015 and 2016).	Slightly elevated pH in outfall flow.	Potential
13-1716	Potential	Elevated ammonia in flow sample (also in 2012 and 2013).	No ammonia or other chemical indicators detected.	Unlikely
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2016).	Moderate gross solids present in upstream manhole.	Potential
16-660	Potential	Detergent detected in upstream manhole sample.	Detergent detected in upstream manhole sample.	Potential
16-995	Potential	Detergent detected in upstream manhole sample.	Detergent detected in upstream manhole sample.	Potential

OUTFALL CONDITION ASSESSMENTS

While not required for the illicit discharge field screening, OMNNI inspectors noted the presence of any structural damage, significant deposition or erosion, or graffiti at the outfalls. This information can be passed along to the appropriate personnel for any necessary action.

Damage

Four outfalls showed signs of damage that may require attention in the near future. Observed damage included damaged ends of pipes and joint displacement between pipe sections and aprons.

The outfall damage that was observed during the ongoing screening program is summarized in Table 18.

Table 18 – Outfalls with damage

Outfall	Severity	Description
06-478	Minor	Minor (< 1") joint displacement inside pipe
13-1109	Minor	End of PVC pipe damaged
13-2872a	Minor	3" joint displacement between pipe and apron
14-999	Moderate	4" joint displacement between last pipe sections

The outfall damage is shown in the photos that follow. The locations of the damaged outfalls are shown on the map in Appendix C.



Figure 36 – Joint displacement at outfall 06-478 (minor damage)



Figure 37 – Damaged end of pipe at outfall 13-1109 (minor damage)



Figure 38 – Apron displacement at outfall 13-2872a (minor damage)



Figure 39 – Joint displacement at outfall 14-999 (moderate damage)

Deposition

A total of 9 outfalls showed minor, moderate or severe deposition at the end of the outfall pipe or channel, or inside the upstream screening location. As deposition increases, flow may become restricted in the pipe or downstream channel. Outfalls with moderate or severe deposition may need to undergo maintenance to remove the deposited sediment and debris and maintain proper flow.

The outfall deposition that was observed during the ongoing screening program is summarized in Table 19.

Table 19 – Outfalls with deposition

Outfall	Severity	Description
13-1588	Minor	1" of sediment on apron
13-2611	Minor	1" of sediment on apron
13-2860	Moderate	5" of sediment at end of pipe
13-2867	Minor	1" of sediment on apron
14-999	Minor	1" of sediment inside pipe
14-1514	Moderate	11" of sediment and railroad ballast inside pipe
15-2409	Minor	1" of sediment inside pipe
15-2477	Minor	10" of sediment on submerged apron
16-1205	Minor	2" of sediment on apron

The outfall deposition is shown in the photos that follow. The locations of the outfalls with deposition are shown on the map in Appendix C.



Figure 40 – Minor deposition at outfall 13-1588



Figure 41 – Minor deposition at outfall 13-2611



Figure 42 – Moderate deposition at outfall 13-2860



Figure 43 – Minor deposition at outfall 13-2867



Figure 44 – Minor deposition at outfall 14-999



Figure 45 – Moderate deposition at outfall 14-1514



Figure 46 – Minor deposition at outfall 15-2409



Figure 47 – Minor deposition at outfall 15-2477



Figure 48 – Minor deposition at outfall 16-1205

Erosion

One of the outfalls showed signs of erosion at the end of the outfall pipe or channel. Most of the outfalls with minor erosion could be repaired with minor landscaping repairs. Those outfalls

with moderate or severe erosion may need additional structural reinforcement, such as turf reinforcement mat or riprap.

The erosion that was observed during the ongoing screening program is summarized in Table 20.

Table 20 – Outfalls with erosion

Outfall	Severity	Description
13-471	Moderate	Bank erosion downstream from pipe.

The outfall erosion is shown in the photos that follow. The locations of the outfalls with erosion are shown on the map in Appendix C.



Figure 49 – Bank erosion downstream of outfall 13-471

Graffiti

Graffiti was observed in or around one outfall. The graffiti was not severe but should probably be monitored to make sure that it does not become more severe.

The graffiti that was observed during the ongoing screening program is summarized in Table 21.

Table 21 – Outfalls with graffiti

Outfall	Severity	Description
12-569	Moderate	Graffiti on bridge abutment adjacent to outfall.

The graffiti is shown in the photos that follow. The locations of the outfalls with graffiti are shown on the map in Appendix C.



Figure 50 – Graffiti near outfall 12-569

2019 ONGOING SCREENING PROGRAM

The 2018 outfall screening was conducted using the revised Ongoing Screening Program as a guide. All of the outfalls that had been identified as priority outfalls had been screened, along with a subset of the non-priority outfalls. After reviewing the potential illicit discharge history of the screened outfalls, OMNNI is recommending several changes to the outfall classifications.

Due to no evidence of recent illicit discharges, the following 16 outfalls are proposed to be changed from Priority status to Non-Priority (major or non-major) status:

- 01-20
- 01-35
- 01-278
- +03-119
- 08-937
- 09-101a
- 12-576
- 12-1313
- 13-1098
- 13-1588
- 14-1514
- 15-143
- 15-146
- 15-1108
- 15-2409
- 15-2477

Due to consistent recent indications of potential illicit discharges, the following 2 outfalls are proposed to be changed to Priority status from Non-Priority (major or non-major) status:

- 05-14

- 06-221

In addition, due to new configurations of storm sewer in certain areas, the following outfalls no longer exist, and will be removed from the MS4 inventory:

- 12-2064
- 13-875

Based on the field observations, the overall outfall classification was revised to:

- 31 priority outfalls
- 81 non-priority major outfalls
- 314 non-priority non-major outfalls

Using the screening frequency specified in the Ongoing Screening Program, the following number of outfalls are recommended to be screened for the 2019 outfall screening program:

- 31 priority outfalls
- 16 non-priority major outfalls
- 31 non-priority non-major outfalls

In addition, the 13 non-priority outfalls that had potential or obvious illicit discharges will also be rescreened, bringing the 2019 total to 91 outfalls.

A table summarizing the recent inspection history of the MS4 outfalls, along with the proposed schedule, is included in Appendix E.

CONCLUSION

OMNNI assisted the City of Oshkosh with the 2018 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 91 outfalls were screened, along with upstream monitoring locations when necessary. Of those 91 outfalls, 56 exhibited unlikely potential of past illicit discharges, and 35 were classified as “potential.” These results are summarized in Figure 51:

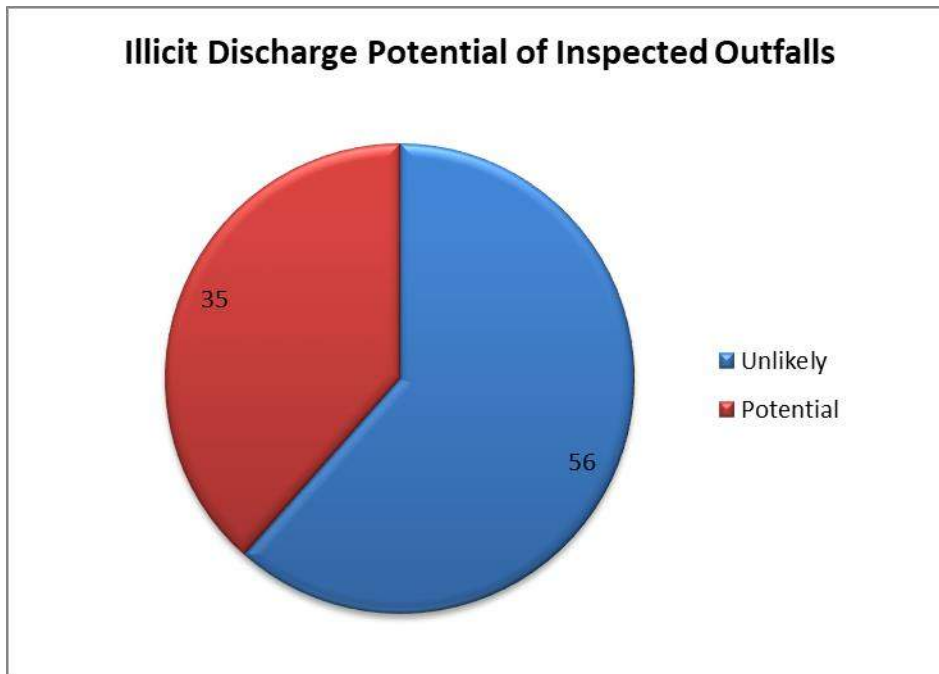


Figure 51 – Illicit discharge potential

Those outfalls classified as “potential” or “obvious” should be given special attention in the ongoing screening program. In particular, the following actions are recommended:

1. For the 23 manholes with observed gross solids, the City should remove the accumulated debris (via vacuum truck or manual methods) at least six weeks prior to the 2019 screening. This will help determine if the discharge of the solid waste into the storm sewer is ongoing. (Additional upstream manholes could also be inspected and cleaned if necessary.)
2. Jet the storm sewer upstream of outfall 12-1328a to remove any remaining residue that may be contributing to the elevated pH in the discharge.
3. Investigate the presence of suds in manhole 13-2332 (Armory Pond) and identify which storm sewer lines are active or abandoned.
4. Televisize the segment of storm sewer on Sunnybrook Drive between manholes 16-1227 and 16-1230, to determine the source of dry-weather flow.

The ongoing screening also identified 4 outfalls with structural damage, 9 with deposition, one with erosion, and one with graffiti. While none of these posed an immediate danger, the City may want to address these issues as part of the regular storm sewer system maintenance.

STANDARD OF CARE

The conclusions presented in this report were arrived at using generally accepted engineering practices. The conclusions presented herein represent our professional opinions, based on data

collected at the time of the inspections, at the specific inspection locations discussed in this report. Conditions at other locations in the City or at different times may be different than described in this report. The scope of this report is limited to the specific project and the inspection locations described herein.

Prepared By:

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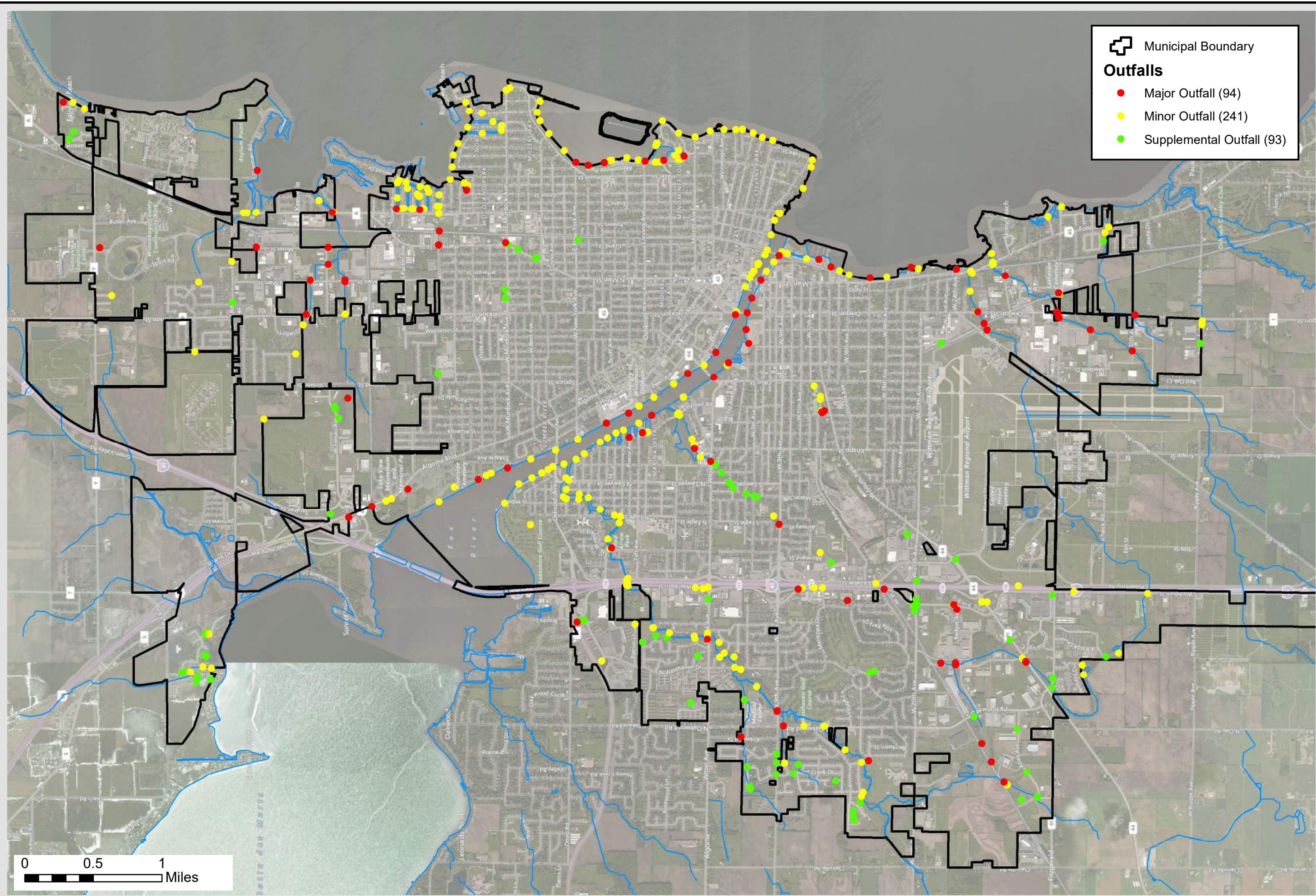
Reviewed By:


Brian D. Wayner, P.E.
Project Manager

Appendix A

MS4 Outfall Maps

- A-1 MS4 Outfall Maps
- A-2 2018 Outfall Inspection Map



 Municipal Boundary

Outfalls

● Major Outfall (94)

● Minor Outfall (241)

● Supplemental Outfall (93)



Project Manager: BDW

Project Engineer: JCW

Drawn By: JCW

Checked By: BDW

Date: 1/15/2019

2018 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP - NR 216 CLASSIFICATION

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

**Omni**
ASSOCIATES

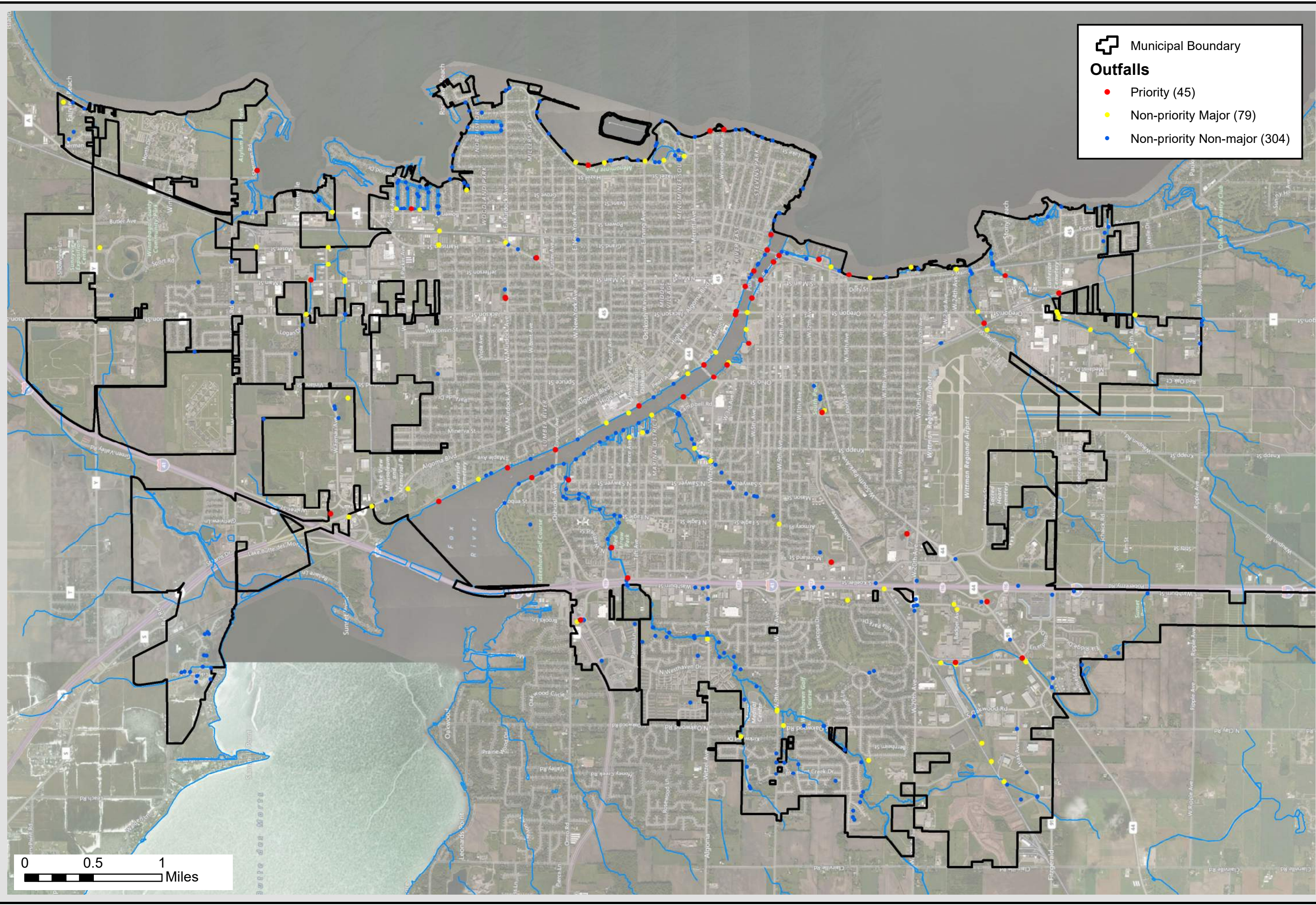
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100


SCALE:
1" = 3,333'

PROJECT NO.
N2029C18

FIGURE NO.
A-1a

F:\ENVIRO\IDDE\GIS\MS4Map_11x17_Oshkosh.mxd



 Municipal Boundary

Outfalls

Priority (45)

Non-priority Major (79)

Non-priority Non-major (304)

N

E

S

W

2018 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP - PRIORITY STATUS

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

Omni
ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

PHONE (920) 735-6900
FAX (920) 830-6100

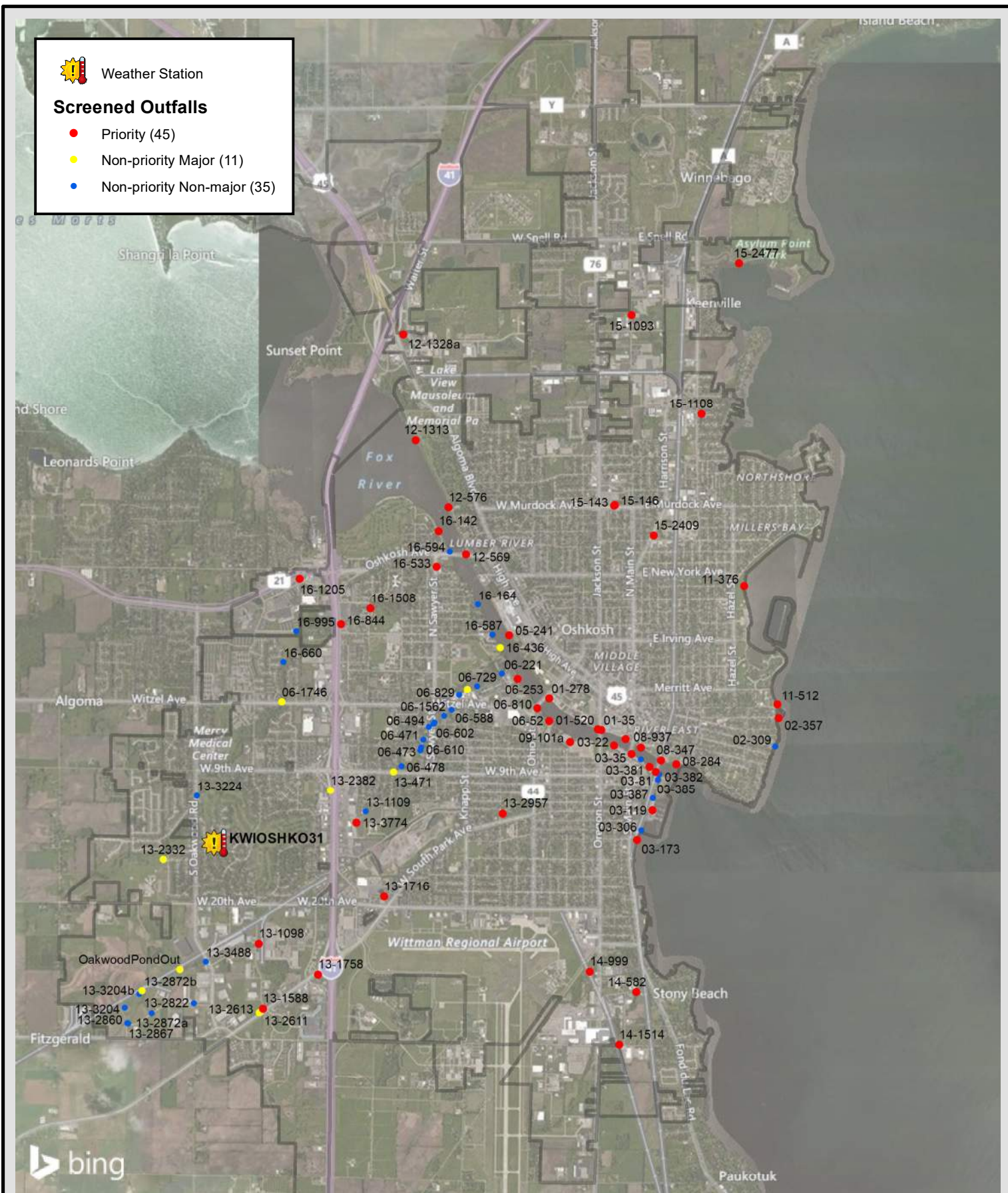
SCALE:
1" = 3,333'

PROJECT NO.
N2029C18

FIGURE NO.
A-1b

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/15/2019

F:\ENVIRO\IDDE\GIS\MS4Map_11x17_Oshkosh_Priority.mxd



 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2018 IDDE ONGOING SCREENING PROGRAM 2018 OUTFALL INSPECTION MAP</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p>	<p>SCALE: 1" = 5,047'</p> <p>PROJECT NO. N2029C18</p> <p>FIGURE NO. A-2</p>
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Appendix B

Outfall Inspection Reports

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181022113526.JPG

Outfall Notes:

Storm sewer from Commerce St discharges to river from north. Outfall located under dock and not accessible. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 472,017

Easting: 792,821

Latitude/Longitude:

Latitude: 44.01437

Longitude: -88.53869

Location Map



Inspection Date: 10/22/2018 11:37:54 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall not located and assumed submerged - screened upstream at 01-20 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022113504.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm





Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 2:54:15 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely Submerged: Partially Depth (in): 35		Inspector: JCW	Notes	 o20171017145018.JPG 2017
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Outfall inaccessible and partially submerged - screened upstream at 01-20 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/18/2016 3:53:25 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20161018155158.JPG 2016
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Outfall not located and assumed submerged - screened upstream at 01-20 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/22/2015 1:39:24 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20150922124202.JPG 2015
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Outfall fully submerged and not located - screened at 01-20 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 8/26/2010 10:29:06 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20100826102034.JPG 2010
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Outfall fully submerged and not physically located. Outfall screened upstream at 01-20 US2. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-20

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:☐ Not Physically Located

o20181022113810.JPG

Outfall Notes:

Upstream manhole located approx 34 ft NE of outfall 01-20. Intermediate area consists of landscape area and sidewalk.

County Coordinates:

Northing: 472,036

Easting: 792,850

Latitude/Longitude:

Latitude: 44.01442

Longitude: -88.53858

Location Map**Inspection Date:** 10/22/2018 11:41:16 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 65

Illicit Discharge Potential: Unlikely**Notes:** Sample collected from submerged pool in manhole.**Floatables:** None**Odor:** None**Turbidity:** None**Color:** Faint in bottle**Gross Solids:** None**Vegetation:** None**Benthic Growth:** None**Stains:** None**Non-illicit:** None☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Brown☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022113818.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-43

Time Collected: 11:39

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.67 units

Temperature (field): 55 °F

Conductivity (field): 335 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 2:57:05 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 60																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.52 units</td> </tr> <tr> <td>Temperature:</td> <td>67 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1392 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.52 units	Temperature:	67 °F	Conductivity:	1392 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.52 units																																					
Temperature:	67 °F																																					
Conductivity:	1392 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Sample collected from submerged pool in manhole.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20171017145250.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																			

Inspection Date: 10/18/2016 3:55:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 60																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.36 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>365 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.36 units	Temperature:	66 °F	Conductivity:	365 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.36 units																																					
Temperature:	66 °F																																					
Conductivity:	365 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	Faint in bottle																																					
Gross Solids:	Moderate																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes 																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018155322.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 9/22/2015 1:45:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 63																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.8 units</td> </tr> <tr> <td>Temperature:</td> <td>77 °F</td> </tr> <tr> <td>Conductivity:</td> <td>338 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.8 units	Temperature:	77 °F	Conductivity:	338 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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Conductivity:	338 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes 																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20150922124656.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20181024105300.JPG

Outfall Notes:

Division St storm sewer discharges to river from north. Dock constructed over outfall since 2010 - outfall no longer accessible.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,359

Easting: 791,866

Latitude/Longitude:

Latitude: 44.01531

Longitude: -88.54232

Inspection Date: 10/24/2018 10:55:26 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 30

Illicit Discharge Potential: Unlikely

Notes: Outfall inaccessible and partially submerged - screened upstream at 01-35 US1. Submerged depth estimated.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024105312.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm





Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 3:07:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely Submerged: Partially Depth (in): 20		Inspector: JCW	Notes	 o20171017150356.JPG
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None			Outfall inaccessible and partially submerged - screened upstream at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/18/2016 3:28:46 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20161018152728.JPG
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None			Outfall not located and assumed submerged - screened upstream at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/22/2015 1:55:35 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20150922125816.JPG
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None			Outfall under walkway and not physically located during this screening - screened at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/9/2014 8:27:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20141009072648.JPG
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None			Outfall fully submerged and not located - screened upstream at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 8/25/2010 12:28:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 15																																				
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Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 21																																				
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Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-35

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024105512.JPG

Outfall Notes:

Upstream manhole located approx 72 ft N of outfall 01-35. Intermediate area consists of paved parking area with no observed inlets.

County Coordinates:

Northing: 472,431

Easting: 791,868

Latitude/Longitude:

Latitude: 44.01551

Longitude: -88.54231



Inspection Date: 10/24/2018 10:57:29 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 20

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in outfall.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024105518.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-57

Time Collected: 10:57

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.73 units


Temperature (field): 50 °F


Conductivity (field): 744 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/17/2017 3:11:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 9																																				
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				 o20171017150646.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/18/2016 3:33:29 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 16																																				
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				 o20161018153008.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/22/2015 1:59:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 17																																				
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				 o20150922130010.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Inspection Date: 10/9/2014 8:31:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 12																																				
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Damage:	None																																					
				 o20141009073000.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																		

Inspection Date: 8/25/2010 12:35:05 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 18		 <p style="text-align: center;">o20100825122544.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>		
Sampling Results				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.99 units	Gross Solids: None			
Temperature 76 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 14		 <p style="text-align: center;">Osh09_DSCN6712.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>		
Sampling Results				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.61 units	Gross Solids: None			
Temperature 78 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022165418.JPG

Outfall Notes:

Storm sewer from Wisconsin St discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 473,601

Easting: 789,812

Latitude/Longitude:

Latitude: 44.01871

Longitude: -88.55013

Location Map



Inspection Date: 10/22/2018 4:55:13 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 01-278 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022165426.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L

Inspection Date: 10/17/2017 3:31:11 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
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			 o20171017152814.JPG 2017																																											

Inspection Date: 10/18/2016 3:17:25 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
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			 o20161018151658.JPG 2016																																											

Inspection Date: 9/22/2015 2:31:24 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
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Deposition:	None in.																																													
Damage:	None																																													
			 o20150922133514.JPG 2015																																											

Inspection Date: 8/25/2010 1:23:51 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
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Erosion:	None																																													
Deposition:	None 0 in.																																													
Damage:	None																																													
			 o20100825131702.JPG 2010																																											

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>Osh09_DSCN6704.JPG</p> <p>2009</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 01-278 US1.			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-278

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022165506.JPG

Outfall Notes:

Upstream manhole located approx 18 ft NE of outfall 01-278. Intermediate area consists of open space.

County Coordinates:

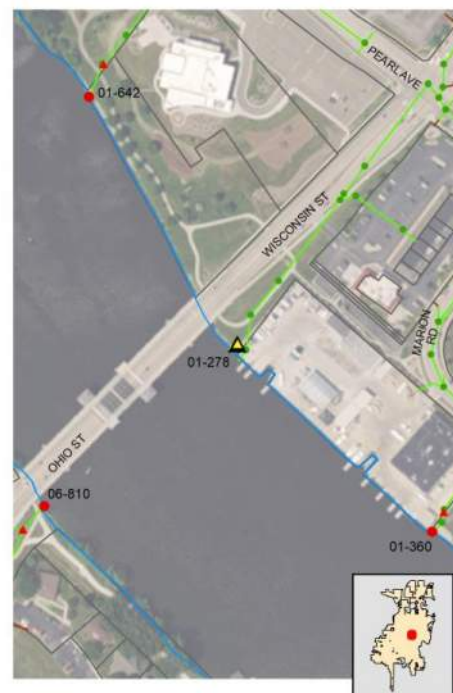
Northing: 473,614

Easting: 789,824

Latitude/Longitude:

Latitude: 44.01875

Longitude: -88.55009



Inspection Date: 10/22/2018 4:57:30 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 52

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022165512.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-47

Time Collected: 16:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.00 units

Temperature (field): 56 °F

Conductivity (field): 1156 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 3:33:08 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 48																																				
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Inspection Date: 10/18/2016 3:20:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
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Inspection Date: 9/22/2015 2:34:48 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 47																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.76 units</td></tr> <tr><td>Temperature:</td><td>75 °F</td></tr> <tr><td>Conductivity:</td><td>541 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.76 units	Temperature:	75 °F	Conductivity:	541 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150922133640.JPG 2015																																		

Inspection Date: 8/25/2010 1:26:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 52																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.6 units</td></tr> <tr><td>Temperature:</td><td>72 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.6 units	Temperature:	72 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20100825131804.JPG 2010																																		

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																																
Illicit Discharge Potential: Unlikely		Inspector: JCW	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Notes																																																	
Submerged: Fully Depth (in): 48																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td>Pool</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.81 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>76 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti:</td> <td>None</td> <td style="width: 50%;"></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table> </div> </div>					Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	7.81 units	Gross Solids:	None	Temperature:	76 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:	Pool	Floatables:	None																																																	
Total Chlorine:	0 ppm	Odor:	None																																																	
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		Non-illicit:	None																																																	
Graffiti:	None																																																			
Erosion:	None																																																			
Deposition:	None	0 in.																																																		
Damage:	None																																																			
			 <p style="text-align: center;">Osh09_DSCN6706.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																																	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024110408.JPG

Outfall Notes:

Storm sewer from Jackson St discharges to river from north. Outfall fully submerged - pipe info from MS4 map. (OSH-9424 in early reports.)

County Coordinates:

Northing: 472,395

Easting: 791,740

Latitude/Longitude:

Latitude: 44.01541

Longitude: -88.54280

Location Map



Inspection Date: 10/24/2018 11:06:05 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged - screened upstream at 01-520 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024110412.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

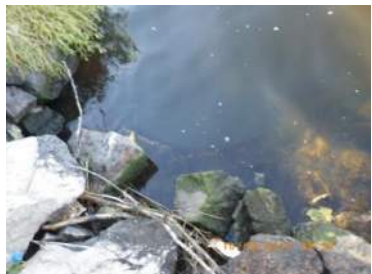
Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/17/2017 3:18:17 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 48-72	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20171017151448.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>	
Submerged: Fully		Depth (in): 39		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Inspection Date: 10/18/2016 3:38:45 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20161018153652.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>	
Submerged: Fully		Depth (in): 33		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Severe Stains: None Non-illicit: None					

Inspection Date: 9/22/2015 2:05:49 PM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20150922130830.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>	
Submerged: Fully		Depth (in):		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Inspection Date: 10/9/2014 8:38:02 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20141009073704.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>	
Submerged: Fully		Depth (in): 56		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None					


Inspection Date: 9/5/2013 12:59:39 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in): 49			Outfall fully submerged. Outfall screened upstream at 01-520 US1. 2012 screening follow-up. Gross solids in upstream mh.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20130905120336.JPG

2013


Inspection Date: 9/27/2012 9:53:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in): 40			Outfall fully submerged; screened upstream at 01-520 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120927085734.JPG

2012

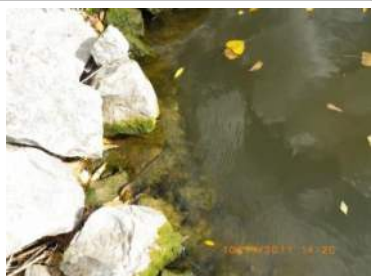
Inspection Date: 6/21/2012 10:35:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Gross solids pre-screening. Outfall fully submerged; screened upstream at 01-520 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120621092646.JPG

2012


Inspection Date: 10/11/2011 2:19:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 01-520 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None 0 in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111011142004.JPG

2011


Inspection Date: 8/25/2010 12:43:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			



o20100825123724.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 56		
Sampling Results		Notes		
Sample Location:	Floatables:	Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			



Osh09_DSCN6715.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-520

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024110526.JPG

Outfall Notes:

Upstream manhole located approx 25 ft N of outfall 01-520. Intermediate area consists of rip-rap shoreline. (OSH-9424 US1 in early reports.)

County Coordinates:

Northing: 472,419

Easting: 791,742

Latitude/Longitude:

Latitude: 44.01547

Longitude: -88.54279

Location Map**Inspection Date:** 10/24/2018 11:07:34 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 70

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Severe

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024110538.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181024-34

Time Collected: 11:07

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.02 units

Temperature (field): 49 °F

Conductivity (field): 336 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/17/2017 3:21:22 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 67		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.72 units	Gross Solids: Severe			
Temperature 67 °F	Vegetation: None			
Conductivity: 896 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2017

Inspection Date: 10/18/2016 3:42:40 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 67		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.16 units	Gross Solids: Severe			
Temperature 66 °F	Vegetation: None			
Conductivity: 531 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2016

Inspection Date: 9/22/2015 2:08:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 70		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.1 units	Gross Solids: Severe			
Temperature 76 °F	Vegetation: None			
Conductivity: 917 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2015

Inspection Date: 10/9/2014 8:42:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 64		
Sampling Results		Notes Floating gross solids (litter) inside manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.84 units	Gross Solids: Severe			
Temperature 57 °F	Vegetation: None			
Conductivity: 1318 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2014

Inspection Date: 9/5/2013 1:02:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+								
Illicit Discharge Potential: Potential		Inspector: JCW	Notes									
Submerged: Fully		Depth (in): 69	2012 screening follow-up. Significant gross solids in manhole - similar to previous years.									
Sampling Results		Floatables: None	Condition Assessment									
Sample Location: Pool		Odor: None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Graffiti:	None											
Erosion:	None											
Deposition:	None in.											
Damage:	None											
Total Chlorine: 0 ppm		Turbidity: None										
Free Chlorine: 0 ppm		Color: None										
Ammonia: 0 ppm		Gross Solids: Severe										
pH: 8.51 units		Vegetation: None										
Temperature 76 °F		Benthic Growth: None										
Conductivity: 424 µS/cm		Stains: None										
Detergents: 0 mg/L		Non-illicit: None										



o20130905120924.JPG

2013

Inspection Date: 9/27/2012 9:57:25 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+								
Illicit Discharge Potential: Potential		Inspector: JCW	Notes									
Submerged: Fully		Depth (in): 69	2011 gross solids follow-up.									
Sampling Results		Floatables: None	Condition Assessment									
Sample Location: Pool		Odor: None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Graffiti:	None											
Erosion:	None											
Deposition:	None in.											
Damage:	None											
Total Chlorine: 0 ppm		Turbidity: None										
Free Chlorine: 0 ppm		Color: None										
Ammonia: 0.5 ppm		Gross Solids: Severe										
pH: 7.77 units		Vegetation: None										
Temperature 60 °F		Benthic Growth: None										
Conductivity: 542 µS/cm		Stains: Slight										
Detergents: 0 mg/L		Non-illicit: None										



o20120927085918.JPG

2012

Inspection Date: 6/21/2012 10:34:01 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24								
Illicit Discharge Potential: Potential		Inspector: JCW	Notes									
Submerged: Fully		Depth (in): 70	Gross solids pre-screening.									
Sampling Results		Floatables: None	Condition Assessment									
Sample Location: Pool		Odor: None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Graffiti:	None											
Erosion:	None											
Deposition:	None in.											
Damage:	None											
Total Chlorine: -- ppm		Turbidity: None										
Free Chlorine: -- ppm		Color: None										
Ammonia: -- ppm		Gross Solids: Severe										
pH: -- units		Vegetation: None										
Temperature -- °F		Benthic Growth: None										
Conductivity: -- µS/cm		Stains: Moderate										
Detergents: -- mg/L		Non-illicit: None										



o20120621092424.JPG

2012


Inspection Date: 10/11/2011 2:24:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+								
Illicit Discharge Potential: Potential		Inspector: JCW	Notes									
Submerged: Fully		Depth (in): 64	2010 screening follow-up. Floatable debris still present.									
Sampling Results		Floatables: None	Condition Assessment									
Sample Location: Pool		Odor: None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Graffiti:	None											
Erosion:	None											
Deposition:	None 0 in.											
Damage:	None											
Total Chlorine: 0 ppm		Turbidity: None										
Free Chlorine: 0 ppm		Color: None										
Ammonia: 0 ppm		Gross Solids: Severe										
pH: 8.49 units		Vegetation: None										
Temperature 71 °F		Benthic Growth: None										
Conductivity: -- µS/cm		Stains: None										
Detergents: -- mg/L		Non-illicit: None										



o20111011142110.JPG

2011


Inspection Date: 5/26/2011 11:13:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Severe		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



o20110526111400.JPG

2011


Inspection Date: 8/25/2010 12:53:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 72	Significant floatable debris in manhole.	
Sampling Results				
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	Faint in bottle		
pH: 8.18 units	Gross Solids:	Severe		
Temperature 73 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



o20100825124708.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 61	Abnormal detergent analysis result (bubbles). Significant floatables in manhole. Brown color.	
Sampling Results				
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	Clearly visible in bottl		
pH: 8.6 units	Gross Solids:	Severe		
Temperature 78 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



Osh09_DSCN6718.JPG

2009

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022102316.JPG

Outfall Notes:

Waugoo Ave storm sewer discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 471,714

Easting: 798,728

Latitude/Longitude:

Latitude: 44.01354

Longitude: -88.51624

Location Map



Inspection Date: 10/22/2018 10:23:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 02-309 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022102328.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/17/2017 1:41:46 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-309 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017133948.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 10:29:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-309 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010102916.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/22/2015 7:50:13 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located - screened upstream at 02-309 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150922065432.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

Inspection Date: 10/3/2011 9:44:34 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111003094448.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 8:25:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20110510082548.JPG

2011

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

02-309

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022102400.JPG

Outfall Notes:

Upstream manhole located approx 53 ft WNW of outfall 02-309. Intermediate area consists of open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 471,734

Easting: 798,678

Latitude/Longitude:

Latitude: 44.01360

Longitude: -88.51643

Inspection Date: 10/22/2018 10:26:35 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 34

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022102412.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-29

Time Collected: 10:24

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.46 units

Temperature (field): 58 °F

Conductivity (field): 498 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 1:45:07 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 31		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.74 units	Gross Solids: Moderate			
Temperature 69 °F	Vegetation: None			
Conductivity: 644 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171017134106.JPG

2017

Inspection Date: 10/10/2016 10:35:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 28		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.54 units	Gross Solids: Moderate			
Temperature 64 °F	Vegetation: None			
Conductivity: 592 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161010103236.JPG

2016

Inspection Date: 9/22/2015 7:50:50 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 28		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.74 units	Gross Solids: Slight			
Temperature 66 °F	Vegetation: None			
Conductivity: 853 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



o20150922065636.JPG

2015

Inspection Date: 10/3/2011 9:47:42 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.71 units	Gross Solids: Slight			
Temperature 60 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20111003094830.JPG

2011

Inspection Date: 5/10/2011 8:27:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Limited screening conducted for upstream manhole prescreening.	
Submerged: Fully		Depth (in):			
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Sample Location:		None			
Total Chlorine:	-- ppm	Odor:			
Free Chlorine:	-- ppm	Turbidity:			
Ammonia:	-- ppm	Color:			
pH:	-- units	Gross Solids:			Slight
Temperature	-- °F	Vegetation:			
Conductivity:	-- µS/cm	Benthic Growth:			
Detergents:	-- mg/L	Stains:			
		Non-illicit:	None		



o20110510082708.JPG

2011

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022101150.JPG

Outfall Notes:

Storm sewer from Winnebago Ave discharges to lake from northwest. Outfall not located - pipe info from MS4 map.

County Coordinates:

Northing: 472,832

Easting: 798,869

Latitude/Longitude:

Latitude: 44.01661

Longitude: -88.51570

Location Map



Inspection Date: 10/22/2018 10:13:07 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 02-357 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022101158.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/17/2017 1:32:28 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-357 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017133026.JPG 2017		


Inspection Date: 10/10/2016 10:53:43 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010105240.JPG 2016		


Inspection Date: 9/22/2015 7:14:30 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150922061856.JPG 2015		

Inspection Date: 10/9/2014 12:37:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141009113806.JPG 2014		

Inspection Date: 9/27/2012 8:29:10 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Notes Outfall fully submerged; screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20120927073330.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2012</div>		

Inspection Date: 6/20/2012 8:05:53 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Notes Gross solids pre-screening. Outfall fully submerged; screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20120620070830.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2012</div>		

Inspection Date: 10/3/2011 10:26:14 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111003102714.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		

Inspection Date: 5/10/2011 8:51:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results				
Sample Location:	Floatables:			
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-357 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510085116.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

02-357

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022101250.JPG

Outfall Notes:

Upstream manhole located approx 34 ft NW of outfall 02-357. Intermediate area consists of open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,861

Easting: 798,850

Latitude/Longitude:

Latitude: 44.01669

Longitude: -88.51577

Inspection Date: 10/22/2018 10:15:43 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 43

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181022101258.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-58

Time Collected: 10:14

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.17 units


Temperature (field): 60 °F


Conductivity (field): 506 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/17/2017 1:35:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in): 39																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.57 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>537 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.57 units	Temperature:	67 °F	Conductivity:	537 µS/cm	Detergents:	0 mg/L	<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>				
Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.57 units																					
Temperature:	67 °F																					
Conductivity:	537 µS/cm																					
Detergents:	0 mg/L																					
				 o20171017133104.JPG 2017																		


Inspection Date: 10/10/2016 10:57:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in): 37																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Potential illicit discharge due to gross solids. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
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Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.54 units																					
Temperature:	65 °F																					
Conductivity:	654 µS/cm																					
Detergents:	0 mg/L																					
				 o20161010105436.JPG 2016																		


Inspection Date: 9/22/2015 7:15:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in): 39																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Floating gross solids (litter) in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
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Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.84 units																					
Temperature:	65 °F																					
Conductivity:	459 µS/cm																					
Detergents:	0 mg/L																					
				 o20150922061944.JPG 2015																		

Inspection Date: 10/9/2014 12:40:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in): 35																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Floating gross solids (litter) in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.58 units</td></tr> <tr><td>Temperature:</td><td>62 °F</td></tr> <tr><td>Conductivity:</td><td>707 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.58 units	Temperature:	62 °F	Conductivity:	707 µS/cm	Detergents:	0 mg/L	<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>				
Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.58 units																					
Temperature:	62 °F																					
Conductivity:	707 µS/cm																					
Detergents:	0 mg/L																					
				 o20141009113842.JPG 2014																		

Inspection Date: 9/27/2012 8:31:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 36	2011 gross solids follow-up.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>7.73 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>60 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>518 µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Slight	pH:	7.73 units	Vegetation:	None	Temperature	60 °F	Benthic Growth:	None	Conductivity:	518 µS/cm	Stains:	None	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	0 ppm	Gross Solids:	Slight																																					
pH:	7.73 units	Vegetation:	None																																					
Temperature	60 °F	Benthic Growth:	None																																					
Conductivity:	518 µS/cm	Stains:	None																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120927073352.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																					

Inspection Date: 6/20/2012 8:08:37 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 43	Gross solids pre-screening.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	Moderate	pH:	-- units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	Slight	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	Moderate																																					
pH:	-- units	Vegetation:	None																																					
Temperature	-- °F	Benthic Growth:	Slight																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120620070908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																					

Inspection Date: 10/3/2011 10:30:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 39	Significant floatable debris in manhole.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>7.1 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>61 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Severe	pH:	7.1 units	Vegetation:	None	Temperature	61 °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
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Total Chlorine:	0 ppm	Turbidity:	None																																					
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Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																					
			 o20111003103104.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																					

Inspection Date: 5/10/2011 8:51:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in):	Limited screening conducted for upstream manhole prescreening.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td></td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:		Total Chlorine:	-- ppm	Turbidity:		Free Chlorine:	-- ppm	Color:		Ammonia:	-- ppm	Gross Solids:	Severe	pH:	-- units	Vegetation:		Temperature	-- °F	Benthic Growth:		Conductivity:	-- µS/cm	Stains:		Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
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Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																					
			 o20110510085154.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																					

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in): 58

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022155218.JPG

Outfall Notes:

Storm sewer from Nebraska St discharges to river from south. Outfall not located - pipe info from MS4 map.

County Coordinates:

Northing: 471,751

Easting: 792,375

Latitude/Longitude:

Latitude: 44.01364

Longitude: -88.54039

Location Map



Inspection Date: 10/22/2018 3:53:56 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-22 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022155222.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/18/2017 3:22:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-22 US1. Floating gross solids (litter) in manhole.	 o20171018151946.JPG 2017
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

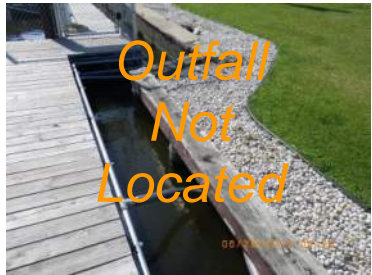
Inspection Date: 10/18/2016 4:04:35 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall not located and assumed submerged - screened upstream at 03-22 US1.	 o20161018160304.JPG 2016
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


Inspection Date: 9/23/2015 7:47:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Significant sinking above suspected pipe. Outfall not located - screened at 03-22 US1.	 o20150923065132.JPG 2015
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Severe		

Inspection Date: 10/9/2014 9:47:52 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-22 US1.	 o20141009084834.JPG 2014
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


Inspection Date: 7/31/2013 12:40:04 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center;">o20130731114434.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2013</p>																																		
Submerged: Fully		Depth (in):																																				
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/27/2012 9:26:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center;">o20120927082846.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>																																		
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:			Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Outfall fully submerged; screened upstream at 03-22 US1. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 6/20/2012 9:22:09 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48																																		
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center;">o20120620082248.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>																																		
Submerged: Fully		Depth (in):																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 10/11/2011 9:03:10 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center;">o20111011090250.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</p>																																		
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:			Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					


Inspection Date: 8/18/2010 10:26:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100818101918.JPG

2010

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):				
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



Osh09_DSCN6765.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-22

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022155352.JPG

Outfall Notes:

Upstream catchbasin located approx 55 ft S of outfall 03-22. Intermediate area consists of open space.

County Coordinates:

Northing: 471,694

Easting: 792,376

Latitude/Longitude:

Latitude: 44.01348

Longitude: -88.54038

Location Map**Inspection Date:** 10/22/2018 3:58:28 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 49

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022155408.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-92

Time Collected: 15:56

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.68 units

Temperature (field): 55 °F

Conductivity (field): 355 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2017 3:25:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.32 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 422 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2017

Inspection Date: 10/18/2016 4:06:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.15 units	Gross Solids: Severe			
Temperature 66 °F	Vegetation: None			
Conductivity: 403 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


2016

Inspection Date: 9/23/2015 7:51:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 46		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.44 units	Gross Solids: Moderate			
Temperature 70 °F	Vegetation: None			
Conductivity: 354 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2015


Inspection Date: 10/9/2014 9:52:24 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		Notes Floatable litter in catchbasin.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.79 units	Gross Solids: Severe			
Temperature 57 °F	Vegetation: None			
Conductivity: 442 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2014

Inspection Date: 7/31/2013 12:42:35 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2012 screening follow-up. Significant gross solids - similar to previous years.			
Submerged: Fully		Depth (in): 44					
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location: Pool		Odor:		Faint			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		Faint in bottle			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 7.95 units		Vegetation:		None			
Temperature 76 °F		Benthic Growth:		None			
Conductivity: 450 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			


o20130731114610.JPG

2013

Inspection Date: 9/27/2012 9:27:45 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2011 gross solids follow-up.			
Submerged: Fully		Depth (in): 39					
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 8.32 units		Vegetation:		None			
Temperature 59 °F		Benthic Growth:		None			
Conductivity: 398 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			


o20120927082922.JPG

2012

Inspection Date: 6/20/2012 9:24:19 AM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 24-48	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Gross solids pre-screening.			
Submerged: Fully		Depth (in): 46					
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		Severe			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: -- mg/L		Non-illicit:		None			

o20120620082508.JPG


2012

Inspection Date: 10/11/2011 9:05:50 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2010 screening follow-up. No significant change in volume of floatable debris.			
Submerged: Fully		Depth (in): 37					
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: 0 ppm		Gross Solids:		Moderate			
pH: 8.13 units		Vegetation:		None			
Temperature 70 °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: -- mg/L		Non-illicit:		None			

o20111011090446.JPG

2011


Inspection Date: 5/26/2011 11:19:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids: Moderate		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit: None		



o20110526111930.JPG

2011


Inspection Date: 8/18/2010 10:29:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 44	Severe floatable debris in catchbasin.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		
Total Chlorine: 0 ppm		Turbidity:		
Free Chlorine: 0 ppm		Color:		
Ammonia: 0 ppm		Gross Solids: Severe		
pH: 7.38 units		Vegetation:		
Temperature 76 °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: 0 mg/L		Non-illicit: None		



o20100818102410.JPG

2010

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 44	Abnormal detergent analysis result (bubbles). Significant floatables in manhole.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		
Total Chlorine: 0 ppm		Turbidity:		
Free Chlorine: 0 ppm		Color:		
Ammonia: -- ppm		Gross Solids: Severe		
pH: 8.3 units		Vegetation:		
Temperature 75 °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: 0 mg/L		Non-illicit: None		



Osh09_DSCN6768.JPG

2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022152602.JPG

Outfall Notes:

Storm sewer from S Main St discharges to river from south. Outfall not located - pipe info from MS4 map.

County Coordinates:

Northing: 471,413

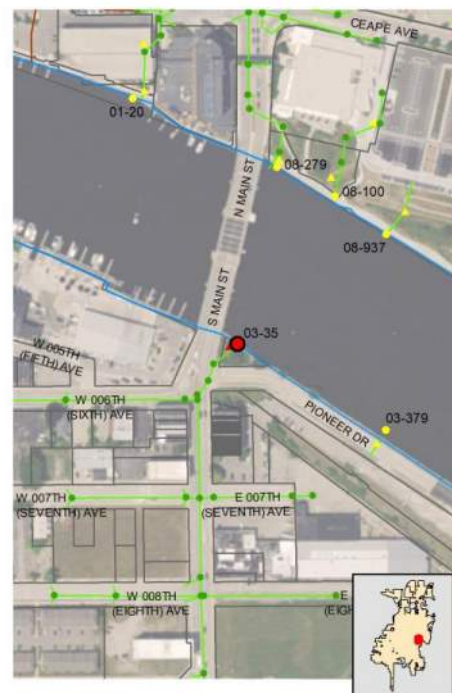
Easting: 793,066

Latitude/Longitude:

Latitude: 44.01271

Longitude: -88.53776

Location Map



Inspection Date: 10/22/2018 3:27:47 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-35 US1. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181022152608.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/18/2017 3:15:43 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-35 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018150844.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/10/2016 9:52:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010094930.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 7:34:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 03-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923063720.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 10:33:07 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-35 US1 Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009093222.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

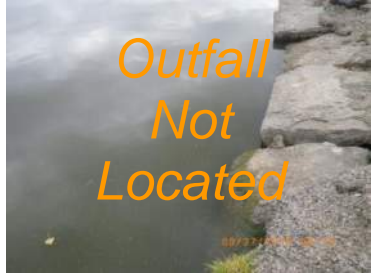
Inspection Date: 7/31/2013 12:30:28 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-35 US1. Gross solids in upstream mh.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20130731113304.JPG

2013


Inspection Date: 9/27/2012 9:13:17 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged; screened upstream at 03-35 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120927081506.JPG

2012


Inspection Date: 6/20/2012 9:06:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Gross solids pre-screening.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120620080844.JPG

2012


Inspection Date: 10/11/2011 9:36:03 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111011093254.JPG

2011


Inspection Date: 8/18/2010 9:27:46 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100818092204.JPG

2010

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



Osh09_DSCN6761.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-35

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022152738.JPG

Outfall Notes:

Upstream manhole located approx 20 ft WSW of outfall 03-35. Intermediate area consists of open space.

County Coordinates:

Northing: 471,408

Easting: 793,047

Latitude/Longitude:

Latitude: 44.01270

Longitude: -88.53783

Location Map

Inspection Date: 10/22/2018 3:30:12 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 41

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181022152746.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-85

Time Collected: 13:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.81 units

Temperature (field): 56 °F

Conductivity (field): 338 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2017 3:16:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 35		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.94 units	Gross Solids: Severe			
Temperature 66 °F	Vegetation: None			
Conductivity: 554 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171018151012.JPG

2017

Inspection Date: 10/10/2016 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.54 units	Gross Solids: Moderate			
Temperature 63 °F	Vegetation: None			
Conductivity: 391 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161010094958.JPG

2016

Inspection Date: 9/23/2015 7:36:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.64 units	Gross Solids: Moderate			
Temperature 69 °F	Vegetation: None			
Conductivity: 359 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923063950.JPG


2015


Inspection Date: 10/9/2014 10:35:52 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes Vegetative debris in photo from opening lid.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.86 units	Gross Solids: Slight			
Temperature 58 °F	Vegetation: None			
Conductivity: 476 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			





o20141009093356.JPG

2014


Inspection Date: 7/31/2013 12:31:00 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2012 screening follow-up. Significant gross solids. Similar to previous years.																													
Submerged: Fully		Depth (in): 33																															
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None	Condition Assessment		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Floatables:	None																																
Odor:	None																																
Turbidity:	None																																
Color:	Faint in bottle																																
Gross Solids:	Severe																																
Vegetation:	None																																
Benthic Growth:	None																																
Stains:	Moderate																																
Non-illicit:	None																																
Graffiti:	None																																
Erosion:	None																																
Deposition:	None in.																																
Damage:	None																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.47 units</td></tr> <tr><td>Temperature:</td><td>75 °F</td></tr> <tr><td>Conductivity:</td><td>425 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.47 units	Temperature:	75 °F	Conductivity:	425 µS/cm	Detergents:	0 mg/L																
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Ammonia:	0 ppm																																
pH:	8.47 units																																
Temperature:	75 °F																																
Conductivity:	425 µS/cm																																
Detergents:	0 mg/L																																
2013																																	

Inspection Date: 9/27/2012 9:13:54 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2011 gross solids follow-up.																													
Submerged: Fully		Depth (in): 31																															
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	Condition Assessment		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 3 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	Minor 3 in.	Damage:	None
Floatables:	None																																
Odor:	None																																
Turbidity:	None																																
Color:	None																																
Gross Solids:	Severe																																
Vegetation:	None																																
Benthic Growth:	None																																
Stains:	Slight																																
Non-illicit:	None																																
Graffiti:	None																																
Erosion:	None																																
Deposition:	Minor 3 in.																																
Damage:	None																																
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Ammonia:	0 ppm																																
pH:	8.42 units																																
Temperature:	59 °F																																
Conductivity:	723 µS/cm																																
Detergents:	0 mg/L																																
2012																																	


Inspection Date: 6/20/2012 9:08:12 AM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 24-48																											
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Gross solids pre-screening.																													
Submerged: Fully		Depth (in): 39																															
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Floatables:	None																																
Odor:	None																																
Turbidity:	None																																
Color:	None																																
Gross Solids:	Severe																																
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Stains:	None																																
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Graffiti:	None																																
Erosion:	None																																
Deposition:	None in.																																
Damage:	None																																
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Total Chlorine:	-- ppm																																
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Ammonia:	-- ppm																																
pH:	-- units																																
Temperature:	-- °F																																
Conductivity:	-- µS/cm																																
Detergents:	-- mg/L																																
2012																																	

Inspection Date: 10/11/2011 9:29:50 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris still present. Slight petroleum sheen.																													
Submerged: Fully		Depth (in): 19																															
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Severe</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	Severe	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Floatables:	Severe																																
Odor:	None																																
Turbidity:	None																																
Color:	None																																
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.01 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.01 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L																
Sample Location:	Pool																																
Total Chlorine:	0 ppm																																
Free Chlorine:	0 ppm																																
Ammonia:	0 ppm																																
pH:	8.01 units																																
Temperature:	71 °F																																
Conductivity:	-- µS/cm																																
Detergents:	-- mg/L																																
2011																																	


Inspection Date: 5/26/2011 11:23:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids: Severe		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit: None		


 o20110526112400.JPG
2011

Inspection Date: 8/18/2010 9:32:06 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 34	Severe floatable debris in catchbasin.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		
Total Chlorine: 0 ppm		Turbidity:		
Free Chlorine: 0 ppm		Color:		
Ammonia: 0.5 ppm		Gross Solids: Severe		
pH: 7.46 units		Vegetation:		
Temperature 73 °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: 0 mg/L		Non-illicit: None		


 o20100818092304.JPG
2010

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 33	Abnormal detergent analysis result (bubbles). Significant floatables in manhole.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		
Total Chlorine: 0 ppm		Turbidity:		
Free Chlorine: 0 ppm		Color:		
Ammonia: -- ppm		Gross Solids: Severe		
pH: 8.23 units		Vegetation:		
Temperature 73 °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: 0 mg/L		Non-illicit: None		


 Osh09_DSCN6763.JPG
2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20181022151212.JPG

Outfall Notes:

10th Ave storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 470,711

Easting: 794,023

Latitude/Longitude:

Latitude: 44.01079

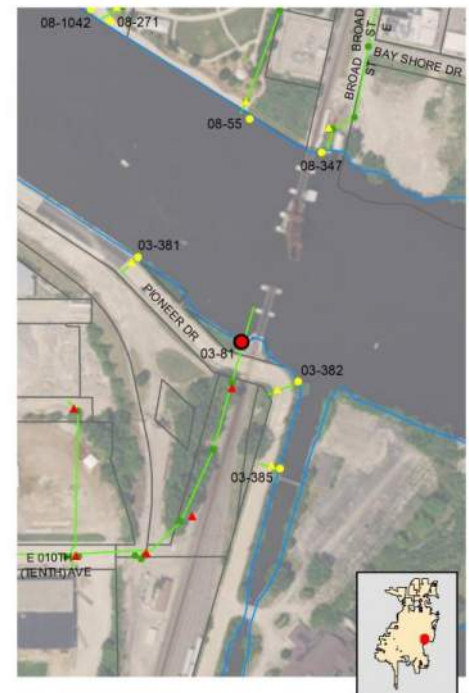
Longitude: -88.53412

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 3:13:39 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-81 US1. Floating gross solids (litter) in manhole.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022151216.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 2:50:50 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-81 US1. Ammonia, detergent and sheen in upstream manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018144750.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/10/2016 8:59:12 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-81 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010085808.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 7:10:20 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 03-81 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923061430.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 10:00:10 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-81 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009090032.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	


Inspection Date: 10/11/2011 9:42:33 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:	Graffiti: None	
Total Chlorine: -- ppm		Turbidity:	Erosion: None	
Free Chlorine: -- ppm		Color:	Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids:	Damage: None	
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20111011094236.JPG

2011


Inspection Date: 8/18/2010 8:38:23 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:	Graffiti: None	
Total Chlorine: -- ppm		Turbidity:	Erosion: None	
Free Chlorine: -- ppm		Color:	Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids:	Damage: None	
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20100818083116.JPG

2010

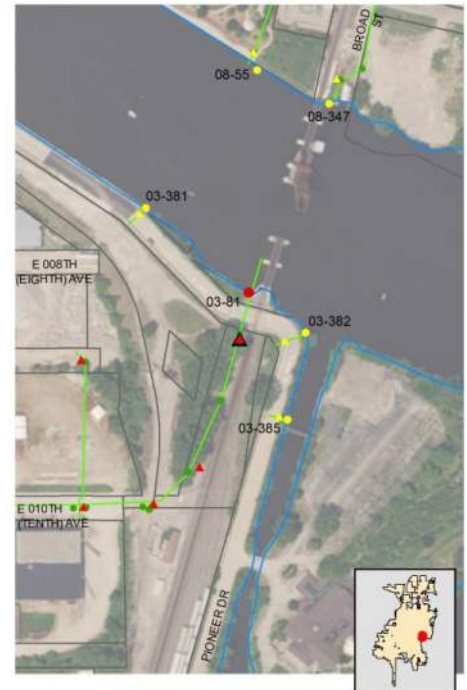
Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:	Graffiti: None	
Total Chlorine: -- ppm		Turbidity:	Erosion: None	
Free Chlorine: -- ppm		Color:	Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids:	Damage: None	
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



Osh09_DSCN6745.JPG

2009

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-81

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022151618.JPG

Outfall Notes:

Upstream manhole located approx 115 ft SSW of outfall 03-81. Located behind railroad control shed. Intermediate area consists of open space, street right-of-way and railroad right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 470,599

Easting: 793,998

Latitude/Longitude:

Latitude: 44.01048

Longitude: -88.53421

Inspection Date: 10/22/2018 3:18:57 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 57

Illicit Discharge Potential: Potential

Notes: Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022151626.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-83

Time Collected: 15:17

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.62 units

Temperature (field): 57 °F

Conductivity (field): 357 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/18/2017 2:55:07 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 50																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>7.22 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>1020 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.8 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Moderate</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	7.22 units	Temperature:	66 °F	Conductivity:	1020 µS/cm	Detergents:	0.8 mg/L	Floatables:	Moderate	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Elevated ammonia and detergent in sample from manhole pool. Slight sheen observed on surface.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20171018145016.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>																																		


Inspection Date: 10/10/2016 9:04:32 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 46																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>7.41 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>565 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Moderate</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	7.41 units	Temperature:	63 °F	Conductivity:	565 µS/cm	Detergents:	0 mg/L	Floatables:	Moderate	Odor:	Faint	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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pH:	7.41 units																																					
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Detergents:	0 mg/L																																					
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Odor:	Faint																																					
Turbidity:	None																																					
Color:	Faint in bottle																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Potential illicit discharge due to gross solids and petroleum odor and sheen and elevated ammonia.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20161010090136.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>																																		


Inspection Date: 9/23/2015 7:16:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 52																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>7.32 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>638 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	7.32 units	Temperature:	69 °F	Conductivity:	638 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
Sample Location:	Pool																																					
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Stains:	Slight																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20150923061754.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																		

Inspection Date: 10/9/2014 10:07:49 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Obvious		Inspector: JCW																																				
Submerged: Fully		Depth (in): 44																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0.5 ppm</td></tr> <tr><td>pH:</td><td>7.58 units</td></tr> <tr><td>Temperature:</td><td>58 °F</td></tr> <tr><td>Conductivity:</td><td>679 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Moderate</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.5 ppm	pH:	7.58 units	Temperature:	58 °F	Conductivity:	679 µS/cm	Detergents:	0 mg/L	Floatables:	Moderate	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Conductivity:	679 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	Moderate																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Severe																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Petroleum odor and sheen on surface.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 2 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	Minor 2 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Minor 2 in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20141009090404.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>																																		

Inspection Date: 10/11/2011 9:46:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 38																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0.25 ppm</td></tr> <tr><td>pH:</td><td>7.68 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.25 ppm	pH:	7.68 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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Temperature:	71 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>2010 screening follow-up. Floatable debris significantly reduced.</p> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20111011094434.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																		

Inspection Date: 5/26/2011 11:29:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	Slight	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
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Ammonia:	-- ppm																																					
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Floatables:	None																																					
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Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>Limited screening conducted to check for floatable debris.</p> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
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				 <p style="text-align: center;">o20110526112952.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																		

Inspection Date: 8/18/2010 8:43:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 47																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>6.63 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	6.63 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None
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Benthic Growth:	None																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>Petroleum odor likely from residual petroleum in pipes after 2009 jetting.</p> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
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Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Obvious		Inspector: JCW																																				
Submerged: Fully		Depth (in): 44																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>6.98 units</td></tr> <tr><td>Temperature:</td><td>73 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Severe</td></tr> <tr><td>Odor:</td><td>Easily detected</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	6.98 units	Temperature:	73 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	Floatables:	Severe	Odor:	Easily detected	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.</p> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
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				 <p style="text-align: center;">Osh09_DSCN6747.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 13

Width (in): 22

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022140102.JPG

Outfall Notes:

Storm sewer from South Park Ave discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 469,179

Easting: 793,881

Latitude/Longitude:

Latitude: 44.00659

Longitude: -88.53466

Location Map



Inspection Date: 10/22/2018 2:02:38 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 03-119 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

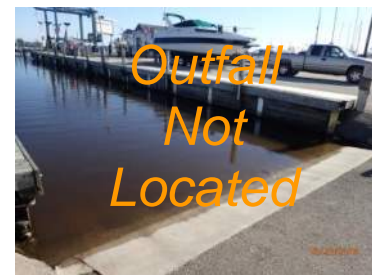
☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022140104.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 2:44:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-119 US1.	<div style="color: orange; font-size: 2em; font-weight: bold;">Outfall Not Located</div> <div style="color: black; font-weight: bold;">Photo Not Available</div> <div style="color: black; font-size: 1.5em; font-weight: bold;">2017</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/10/2016 8:46:57 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-119 US1.	<div style="color: orange; font-size: 2em; font-weight: bold;">Outfall Not Located</div>  <div style="font-size: 0.8em;">o20161010084558.JPG</div> <div style="color: black; font-size: 1.5em; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/23/2015 7:00:50 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 03-119 US1.	<div style="color: orange; font-size: 2em; font-weight: bold;">Outfall Not Located</div>  <div style="font-size: 0.8em;">o20150923060350.JPG</div> <div style="color: black; font-size: 1.5em; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 8/18/2010 7:32:47 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-119 US1.	<div style="color: orange; font-size: 2em; font-weight: bold;">Outfall Not Located</div>  <div style="font-size: 0.8em;">o20100818072558.JPG</div> <div style="color: black; font-size: 1.5em; font-weight: bold;">2010</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																	
Submerged: Fully Depth (in):																				
Sampling Results			Condition Assessment																	
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location:			Floatables:	Total Chlorine: -- ppm	Odor:	Free Chlorine: -- ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: -- units	Gross Solids:	Temperature -- °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: -- mg/L	Stains:	
Sample Location:	Floatables:																			
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Free Chlorine: -- ppm	Turbidity:																			
Ammonia: -- ppm	Color:																			
pH: -- units	Gross Solids:																			
Temperature -- °F	Vegetation:																			
Conductivity: -- µS/cm	Benthic Growth:																			
Detergents: -- mg/L	Stains:																			
	Non-illicit:																			
			Graffiti: None Erosion: None Deposition: in. Damage: None																	



Osh09_DSCN6741.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-119

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022140334.JPG

Outfall Notes:

Upstream manhole located approx 245 ft WSW of outfall 03-119. Intermediate area consists of street right-of-way and paved parking area with no observed inlets.

County Coordinates:

Northing: 469,098

Easting: 793,672

Latitude/Longitude:

Latitude: 44.00637

Longitude: -88.53545



Inspection Date: 10/22/2018 2:06:18 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 32

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Moderate

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022140340.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-74

Time Collected: 14:04

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0.5 ppm


pH (field): 6.72 units


Temperature (field): 60 °F


Conductivity (field): 773 µS/cm


Detergents: 0 mg/L

Inspection Date: 10/18/2017 2:45:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 27																																				
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes Sample collected from submerged pool in manhole. </div>																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.18 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>774 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.18 units	Temperature:	67 °F	Conductivity:	774 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Benthic Growth:	None																																					
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Non-illicit:	None																																					
		<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>																																				
		 o20171018144002.JPG 2017																																				

Inspection Date: 10/10/2016 8:50:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 25																																				
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes </div>																																				
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Non-illicit:	Slight																																					
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		 o20161010084816.JPG 2016																																				

Inspection Date: 9/23/2015 7:05:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 29																																				
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes </div>																																				
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>																																				
		 o20150923060646.JPG 2015																																				

Inspection Date: 8/18/2010 7:36:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 29																																				
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes </div>																																				
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	Slight																																					
		<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																				
		 o20100818072942.JPG 2010																																				

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																																
Illicit Discharge Potential: Unlikely		Inspector: JCW	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Notes																																																	
Submerged: Fully Depth (in): 27																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td>Pool</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.87 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>76 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti:</td> <td>None</td> <td style="width: 50%;"></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table> </div> </div>					Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	7.87 units	Gross Solids:	None	Temperature:	76 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:	Pool	Floatables:	None																																																	
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Graffiti:	None																																																			
Erosion:	None																																																			
Deposition:	None	0 in.																																																		
Damage:	None																																																			
			 <p style="text-align: center; font-size: small;">Osh09_DSCN6743.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2009</p>																																																	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181022131816.JPG

Outfall Notes:

Storm sewer from 16th Ave discharges to lake from west. Outfall fully submerged. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 468,018

Easting: 793,278

Latitude/Longitude:

Latitude: 44.00340

Longitude: -88.53695

Location Map



Inspection Date: 10/22/2018 1:18:45 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-173 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20181022131820.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/18/2017 2:27:05 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-173 US2. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018142348.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/10/2016 8:27:25 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-173 US2. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010082552.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 6:48:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located during this screening - screened at 13-173 US2. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923054658.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/7/2014 1:47:08 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged - screened upstream at 13-173 US2. Pipe approx 5" below water surface. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141007124746.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 10:11:07 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+									
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes										
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 03-173 US2.										
Sampling Results			Condition Assessment										
Sample Location:	Floatables:	None	<table border="0" style="width:100%;"> <tr> <td>Graffiti:</td> <td>None</td> <td rowspan="4" style="vertical-align: middle; text-align: center;">0 in.</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	0 in.	Erosion:	None	Deposition:	None	Damage:	None
Graffiti:	None	0 in.											
Erosion:	None												
Deposition:	None												
Damage:	None												
Total Chlorine: -- ppm	Odor:	None											
Free Chlorine: -- ppm	Turbidity:	None											
Ammonia: -- ppm	Color:	None											
pH: -- units	Gross Solids:	None											
Temperature -- °F	Vegetation:	None											
Conductivity: -- µS/cm	Benthic Growth:	None											
Detergents: -- mg/L	Stains:	None											
	Non-illicit:	None											



o20111011101022.JPG

2011

Inspection Date: 8/17/2010 2:04:29 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+									
Illicit Discharge Potential: Potential		Inspector: JCW	Notes										
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 03-173 US2.										
Sampling Results			Condition Assessment										
Sample Location:	Floatables:	None	<table border="0" style="width:100%;"> <tr> <td>Graffiti:</td> <td>None</td> <td rowspan="4" style="vertical-align: middle; text-align: center;">0 in.</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	0 in.	Erosion:	None	Deposition:	None	Damage:	None
Graffiti:	None	0 in.											
Erosion:	None												
Deposition:	None												
Damage:	None												
Total Chlorine: -- ppm	Odor:	None											
Free Chlorine: -- ppm	Turbidity:	None											
Ammonia: -- ppm	Color:	None											
pH: -- units	Gross Solids:	None											
Temperature -- °F	Vegetation:	None											
Conductivity: -- µS/cm	Benthic Growth:	None											
Detergents: -- mg/L	Stains:	None											
	Non-illicit:	None											



o20100817135838.JPG

2010

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-173

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022132138.JPG

Outfall Notes:

Upstream manhole located approx 18 ft W of outfall 03-173. Intermediate area consists of shoreline. Bolted lid - could not access.

County Coordinates:

Northing: 468,023

Easting: 793,260

Latitude/Longitude:

Latitude: 44.00341

Longitude: -88.53701

Location Map**Inspection Date:** 10/22/2018 1:24:38 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Potential

Notes: Manhole 03-173 US2 inaccessible (behind locked gate). Floating gross solids (litter) in manhole, including 2 syringes.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20181022132154.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-63

Time Collected: 13:23

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.18 units

Temperature (field): 59 °F

Conductivity (field): 1229 µS/cm

Detergents: 0 mg/L

Inspection Date: 8/17/2010 2:07:11 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Lid bolts rusted tight - could not access. Screened upstream at 03-173 US2.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate		



o20100817135854.JPG

2010

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-170

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018142550.JPG

Outfall Notes:

Upstream manhole located approx 113 ft W of outfall 03-173. Intermediate area consists of shoreline, railroad right-of-way and paved parking area.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 468,043

Easting: 793,166

Latitude/Longitude:

Latitude: 44.00347

Longitude: -88.53737

Inspection Date: 10/18/2017 2:31:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 41

Notes: Evidence of previous spill(s) of waxy substance directly over manhole. Floating gross solids (litter) in manhole, with syringe.

Illicit Discharge Potential: Potential

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: Severe

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☒ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20171018142612.JPG

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-66

Time Collected: 14:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.98 units

Temperature (field): 67 °F

Conductivity (field): 437 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/10/2016 8:30:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.56 units	Gross Solids: Moderate			
Temperature 62 °F	Vegetation: None			
Conductivity: 422 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2016

Inspection Date: 9/23/2015 6:51:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 42		
Sampling Results		Notes Floating gross solids (litter) - including 5 baseballs - in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.19 units	Gross Solids: Moderate			
Temperature 68 °F	Vegetation: None			
Conductivity: 476 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2015


Inspection Date: 10/7/2014 1:52:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 38		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.73 units	Gross Solids: Moderate			
Temperature -- °F	Vegetation: None			
Conductivity: 401 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2014

Inspection Date: 10/11/2011 10:04:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
Sampling Results		Notes 2010 screening follow-up. Floatable debris significantly reduced.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0.5 ppm	Color: None			
pH: 7.39 units	Gross Solids: None			
Temperature 70 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

2011


Inspection Date: 5/26/2011 11:34:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20110526113426.JPG

2011

Inspection Date: 8/17/2010 2:11:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 42	Floatable debris in manhole.	
Sampling Results				
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	None		
pH: 7.69 units	Gross Solids:	Moderate		
Temperature 77 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	None		
	Non-illicit:	None		
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20100817140504.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181022133904.JPG

Outfall Notes:

Storm sewer from E 15th Ave discharges to lake from west. Original 27" CMP replaced prior to 2018 screening.

County Coordinates:

Northing: 468,393

Easting: 793,444

Latitude/Longitude:

Latitude: 44.00443

Longitude: -88.53632

Location Map



Inspection Date: 10/22/2018 1:40:36 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged - screened upstream at 03-306 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022133918.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/17/2010 2:28:30 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-306 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100817142148.JPG

2010

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-306

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022134120.JPG

Outfall Notes:

Upstream manhole located approx 63 ft W of outfall 03-306. Intermediate area consists of open space. May have been upgraded prior to 2018 screening.

County Coordinates:

Northing: 468,396

Easting: 793,380

Latitude/Longitude:

Latitude: 44.00444

Longitude: -88.53656

Location Map**Inspection Date:** 10/22/2018 1:41:52 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 66

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022134128.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-73

Time Collected: 13:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.55 units

Temperature (field): 57 °F

Conductivity (field): 368 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 8/17/2010 2:28:30 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 13		
Sampling Results				
Sample Location: Pool		Floatables:	None	
Total Chlorine: 0 ppm		Odor:	None	
Free Chlorine: 0 ppm		Turbidity:	None	
Ammonia: 0 ppm		Color:	None	
pH: 7.55 units		Gross Solids:	None	
Temperature: 76 °F		Vegetation:	None	
Conductivity: -- µS/cm		Benthic Growth:	None	
Detergents: 0 mg/L		Stains:	Slight	
		Non-illicit:	None	
Notes				
Broken manhole rings allow materials to enter manhole below casting.				
Condition Assessment				
Graffiti: None				
Erosion: None				
Deposition: None		0 in.		
Damage: Minor				



o20100817142402.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):



o20181022153738.JPG

Outfall Notes:

Storm sewer from Pioneer Dr discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 471,196

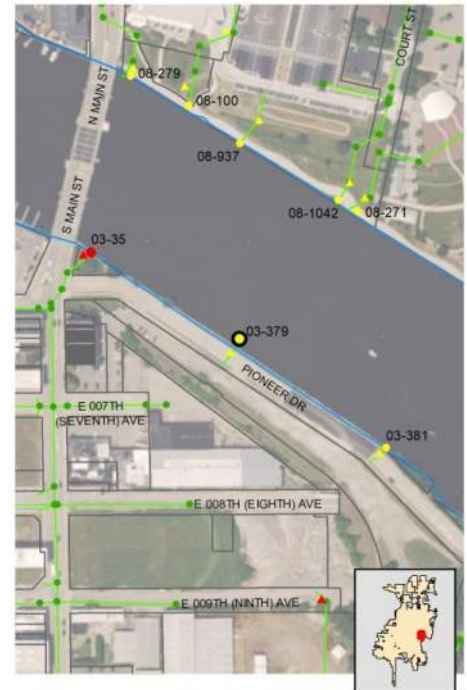
Easting: 793,423

Latitude/Longitude:

Latitude: 44.01212

Longitude: -88.53640

Location Map



Inspection Date: 10/22/2018 3:39:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 03-379 US1.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022153744.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/18/2010 9:16:18 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-379 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100818090718.JPG

2010

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-379

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022153928.JPG

Outfall Notes:

Upstream curb inlet located approx 39 ft SW of outfall 03-379. Intermediate area consists of open space and street right-of-way.

County Coordinates:

Northing: 471,164

Easting: 793,401

Latitude/Longitude:

Latitude: 44.01203

Longitude: -88.53649

Location Map**Inspection Date:** 10/22/2018 3:41:52 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 28

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in catchbasin.

Floatables: None

Odor: Faint

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☒ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022153938.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-88

Time Collected: 15:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 6.55 units

Temperature (field): 56 °F

Conductivity (field): 802 µS/cm

Detergents: 0 mg/L

Inspection Date: 8/18/2010 9:18:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+								
Illicit Discharge Potential: Unlikely		Inspector: JCW										
Submerged: Fully		Depth (in): 25										
Sampling Results		Notes										
Sample Location: Pool	Floatables:	<table border="1"> <tr><td>Slight</td></tr> <tr><td>None</td></tr> <tr><td>None</td></tr> <tr><td>Faint in bottle</td></tr> <tr><td>None</td></tr> <tr><td>None</td></tr> <tr><td>None</td></tr> <tr><td>None</td></tr> </table>			Slight	None	None	Faint in bottle	None	None	None	None
Slight												
None												
None												
Faint in bottle												
None												
None												
None												
None												
Total Chlorine: 0 ppm	Odor:											
Free Chlorine: 0 ppm	Turbidity:											
Ammonia: 0 ppm	Color:											
pH: 7.37 units	Gross Solids:											
Temperature: 76 °F	Vegetation:											
Conductivity: -- µS/cm	Benthic Growth:											
Detergents: 0 mg/L	Stains:	<table border="1"> <tr><td colspan="2">Condition Assessment</td></tr> <tr> <td>Graffiti: None</td> <td rowspan="3">0 in.</td> </tr> <tr> <td>Erosion: None</td> </tr> <tr> <td>Deposition: None</td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>			Condition Assessment		Graffiti: None	0 in.	Erosion: None	Deposition: None	Damage: None	
Condition Assessment												
Graffiti: None	0 in.											
Erosion: None												
Deposition: None												
Damage: None												
	Non-illicit:											



o20100818091114.JPG

2010

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):



o20181022150202.JPG

Outfall Notes:

Pioneer Dr storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 470,924

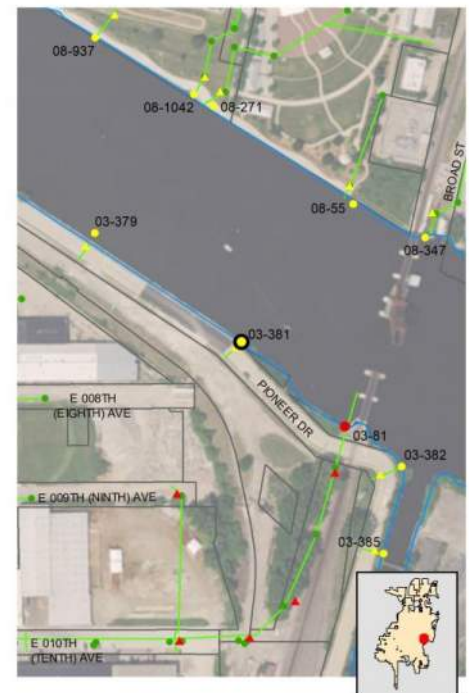
Easting: 793,775

Latitude/Longitude:

Latitude: 44.01137

Longitude: -88.53506

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 10/22/2018 3:03:58 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-381 US1. Floating gross solids (litter) in manhole.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022150212.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/18/2017 3:02:59 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-381 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20171018150108.JPG 2017

Inspection Date: 10/10/2016 9:18:11 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-381 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161010091656.JPG 2016

Inspection Date: 9/23/2015 7:22:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 03-381 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150923062656.JPG 2015

Inspection Date: 10/9/2014 10:22:12 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-381 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20141009092246.JPG 2014

Inspection Date: 10/11/2011 9:56:37 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																			
Submerged: Fully Depth (in):																																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 <small>o20111011095540.JPG</small> 2011																																			

Inspection Date: 8/18/2010 8:59:26 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																			
Submerged: Fully Depth (in):																																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
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Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 <small>o20100818085058.JPG</small> 2010																																			

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-381

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022150338.JPG

Outfall Notes:

Upstream curb inlet located approx 21ft SW of outfall 03-381. Intermediate area consists of open space and street right-of-way.

County Coordinates:

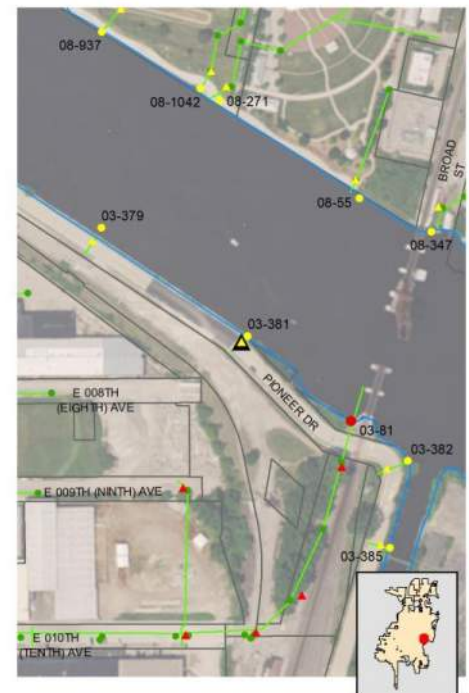
Northing: 470,910

Easting: 793,760

Latitude/Longitude:

Latitude: 44.01134

Longitude: -88.53512

Location Map**Inspection Date:** 10/22/2018 3:06:47 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 14

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022150350.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-82

Time Collected: 15:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 6.73 units

Temperature (field): 59 °F

Conductivity (field): 877 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2017 3:05:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 16		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.71 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 317 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171018150142.JPG

2017

Inspection Date: 10/10/2016 9:20:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 14		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.57 units	Gross Solids: Slight			
Temperature 65 °F	Vegetation: None			
Conductivity: 365 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161010091822.JPG

2016

Inspection Date: 9/23/2015 7:26:11 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 20		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 7.69 units	Gross Solids: Slight			
Temperature 70 °F	Vegetation: None			
Conductivity: 352 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923062728.JPG


2015


Inspection Date: 10/9/2014 10:25:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 14		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.79 units	Gross Solids: Slight			
Temperature 57 °F	Vegetation: None			
Conductivity: 408 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			




o20141009092338.JPG

2014

Inspection Date: 10/11/2011 9:52:43 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.		 o20111011095140.JPG	
Submerged: Fully		Depth (in): 12					
Sampling Results		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2011	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.1 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 5/26/2011 11:27:00 AM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Limited screening conducted to check for floatable debris.		 o20110526112736.JPG	
Submerged: Fully		Depth (in):					
Sampling Results		Floatables: None Odor: Turbidity: Color: Gross Solids: Slight Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2011	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 8/18/2010 9:03:59 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating debris, slight oil sheen in manhole.		 o20100818085124.JPG	
Submerged: Fully		Depth (in): 13					
Sampling Results		Floatables: Moderate Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2010	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.13 units Temperature: 72 °F Conductivity: -- µS/cm Detergents: 0 mg/L							

Non-Priority Non-Major Outfall

Structure Type:

Open Channel Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20181022145524.JPG

Outfall Notes:

Storm sewer from Pioneer Dr discharges to Fox River from corner.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 470,612

Easting: 794,159

Latitude/Longitude:

Latitude: 44.01052

Longitude: -88.53360

Inspection Date: 10/22/2018 2:57:37 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 12

Notes: Outfall fully submerged - screened upstream at 03-382 US1.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022145536.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/18/2010 8:25:27 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 03-382 US1.		
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None		 <p>o20100818082054.JPG</p> <p>2010</p>		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-382

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022145744.JPG

Outfall Notes:

Upstream curb inlet located approx 57 ft WSW of outfall 03-382. Intermediate area consists of open space and street right-of-way.

County Coordinates:

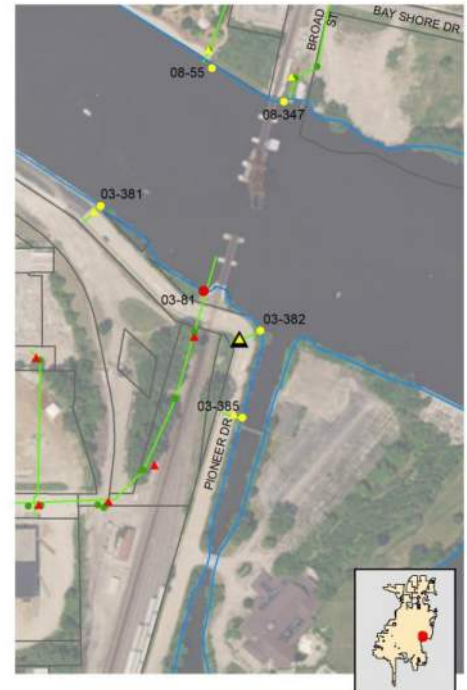
Northing: 470,592

Easting: 794,108

Latitude/Longitude:

Latitude: 44.01046

Longitude: -88.53380

Location Map**Inspection Date:** 10/22/2018 3:00:13 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely**Notes:** Inlet dry at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022145752.JPG

2018**Sampling Results**

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 8/18/2010 8:34:04 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes Dry bottom. Grass clipping build up.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100818082432.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022144748.JPG

Outfall Notes:

Pioneer Dr storm sewer discharges to canal from west.

County Coordinates:

Northing: 470,400

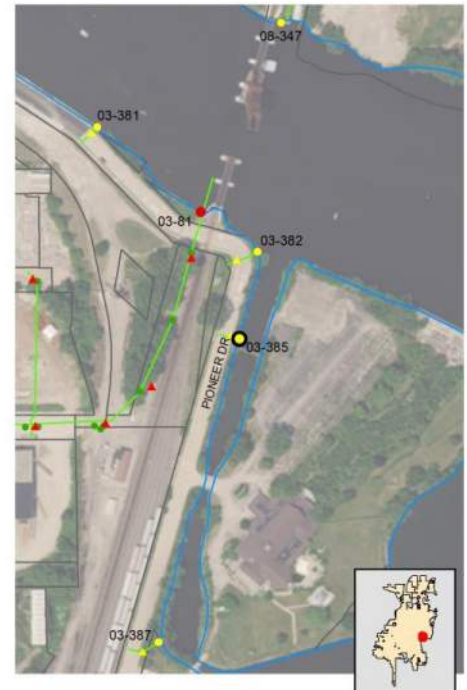
Easting: 794,112

Latitude/Longitude:

Latitude: 44.00994

Longitude: -88.53378

Location Map



Inspection Date: 10/22/2018 2:49:55 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged - screened upstream at 03-385 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022144754.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/18/2010 8:10:24 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20100818080520.JPG</p>	
Submerged: Fully		Depth (in): 10		Outfall fully submerged. Outfall screened upstream at 03-385 US1.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graffiti:		None	0 in.
Total Chlorine: -- ppm		Odor:	None	Erosion:		None	
Free Chlorine: -- ppm		Turbidity:	None	Deposition:		None	
Ammonia: -- ppm		Color:	None	Damage:		None	
pH: -- units		Gross Solids:	None				
Temperature -- °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: -- mg/L		Stains:	None				
		Non-illicit:	None				

2010

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-385

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022144954.JPG

Outfall Notes:

Upstream curb inlet located approx 22 ft WNW of outfall 03-385. Intermediate area consists of open space and street right-of-way.

County Coordinates:

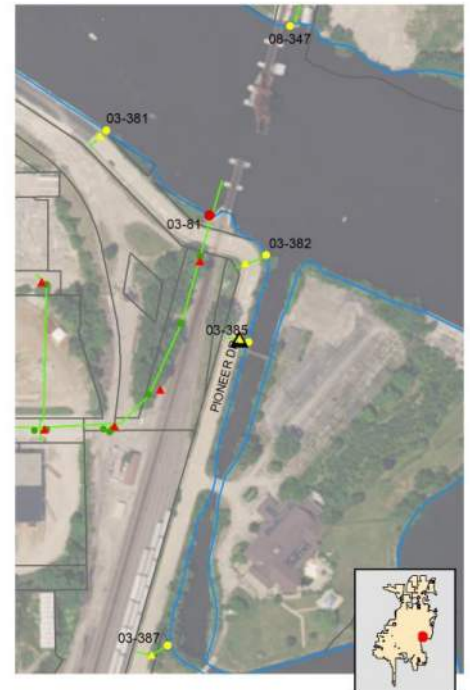
Northing: 470,408

Easting: 794,090

Latitude/Longitude:

Latitude: 44.00996

Longitude: -88.53386



Inspection Date: 10/22/2018 2:52:18 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Inlet dry.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022145010.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 8/18/2010 8:15:59 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes Dry bottom.		
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100818080728.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):



o20181022141116.JPG

Outfall Notes:

Pioneer Dr storm sewer discharges to lake from west.

County Coordinates:

Northing: 469,661

Easting: 793,901

Latitude/Longitude:

Latitude: 44.00791

Longitude: -88.53458

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/22/2018 2:13:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Unlikely

Notes: Upstream inlet could not be opened - sample collected at end of pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181022141124.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-76

Time Collected: 14:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.64 units

Temperature (field): 57 °F

Conductivity (field): 331 µS/cm

Detergents: 0 mg/L

Inspection Date: 8/18/2010 7:55:48 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in): 3																				
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 03-387 US1.																				
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Slight																					
Non-illicit:	None																					
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																				
		 <p>o20100818074924.JPG</p> <p>2010</p>																				

Location Map



Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-387

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022141440.JPG

Outfall Notes:

Upstream curb inlet located approx 44 ft WSW of outfall 03-387. Intermediate area consists of open space and street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 469,638

Easting: 793,862

Latitude/Longitude:

Latitude: 44.00785

Longitude: -88.53473

Inspection Date: 10/22/2018 2:16:33 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Upstream inlet could not be opened - sample collected at end of pipe. Catchbasin dry.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam



o20181022141450.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 8/18/2010 8:01:34 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Unlikely		Inspector: JCW																													
Submerged: None		Depth (in):																													
Sampling Results		Notes Dry bottom.																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature: -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature: -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None
Sample Location:	Floatables:	None																													
Total Chlorine: -- ppm	Odor:	None																													
Free Chlorine: -- ppm	Turbidity:	None																													
Ammonia: -- ppm	Color:	None																													
pH: -- units	Gross Solids:	None																													
Temperature: -- °F	Vegetation:	None																													
Conductivity: -- µS/cm	Benthic Growth:	None																													
Detergents: -- mg/L	Stains:	None																													
	Non-illicit:	None																													



o20100818075356.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20181022170940.JPG

Outfall Notes:

Storm sewer from Rockwell Ave discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 476,107

Easting: 788,230

Latitude/Longitude:

Latitude: 44.02558

Longitude: -88.55615

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 5:09:36 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 05-14 US1. Floating gross solids (litter) in manhole.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022170942.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L

Inspection Date: 10/17/2017 3:57:26 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 05-14 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017155038.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 3:43:20 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 05-14 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010154044.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/24/2015 10:30:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened at 05-14 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924093340.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

Inspection Date: 8/25/2010 2:37:24 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100825142900.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>		

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2.			
Submerged: Fully		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		Osh09_DSCN6696.JPG 2009	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

05-14

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022171304.JPG

Outfall Notes:

Upstream manhole located approx 30 ft ENE of outfall 05-14. Intermediate area consists of street right-of-way and shoreline.

County Coordinates:

Northing: 476,120

Easting: 788,257

Latitude/Longitude:

Latitude: 44.02562

Longitude: -88.55605



Inspection Date: 10/22/2018 5:15:36 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 47

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: Cloudy

Color: None

Gross Solids: Severe

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022171308.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-59

Time Collected: 17:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.59 units

Temperature (field): 56 °F


Conductivity (field): 361 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/17/2017 3:58:36 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.93 units	Gross Solids: Severe			
Temperature 66 °F	Vegetation: None			
Conductivity: 886 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20171017155256.JPG
2017

Inspection Date: 10/10/2016 3:46:48 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 41		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.69 units	Gross Solids: Severe			
Temperature 70 °F	Vegetation: None			
Conductivity: 660 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20161010154428.JPG
2016

Inspection Date: 9/24/2015 10:36:18 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.98 units	Gross Solids: Severe			
Temperature 70 °F	Vegetation: None			
Conductivity: 424 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20150924093714.JPG
2015

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20181022170948.JPG

Outfall Notes:

Storm sewer from Rockwell Ave discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 476,100

Easting: 788,232

Latitude/Longitude:

Latitude: 44.02556

Longitude: -88.55614

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 5:11:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 05-241 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022170952.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L

Inspection Date: 10/17/2017 3:57:59 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 05-241 US1. Detergent detected in upstream manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017155038.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 3:43:52 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 05-241 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010154050.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/24/2015 10:23:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened at 05-241 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924092602.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

Inspection Date: 8/25/2010 2:39:56 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-241 US2.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100825142910.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>		

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes			
Submerged: Fully		Depth (in):					
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: -- mg/L		Non-illicit:		None			

Osh09_DSCN6696.JPG

2009

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

05-241

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181022171812.JPG

Outfall Notes:

Upstream catchbasin located approx 31 ft ENE of outfall 05-241. Intermediate area consists of street right-of-way and shoreline.

County Coordinates:

Northing: 476,113

Easting: 788,261

Latitude/Longitude:

Latitude: 44.02560

Longitude: -88.55603



Inspection Date: 10/22/2018 5:20:26 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 23

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam



o20181022171816.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-67

Time Collected: 17:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.55 units

Temperature (field): 55 °F

Conductivity (field): 410 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 4:02:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 16																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.4 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>244 µS/cm</td></tr> <tr><td>Detergents:</td><td>1 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.4 units	Temperature:	65 °F	Conductivity:	244 µS/cm	Detergents:	1 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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				 o20171017155840.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/10/2016 3:50:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 17																																				
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				 o20161010154822.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/24/2015 10:27:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 18																																				
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				 o20150924092818.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20181022163042.JPG

Outfall Notes:

W 4th Ave storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 472,713

Easting: 789,812

Latitude/Longitude:

Latitude: 44.01628

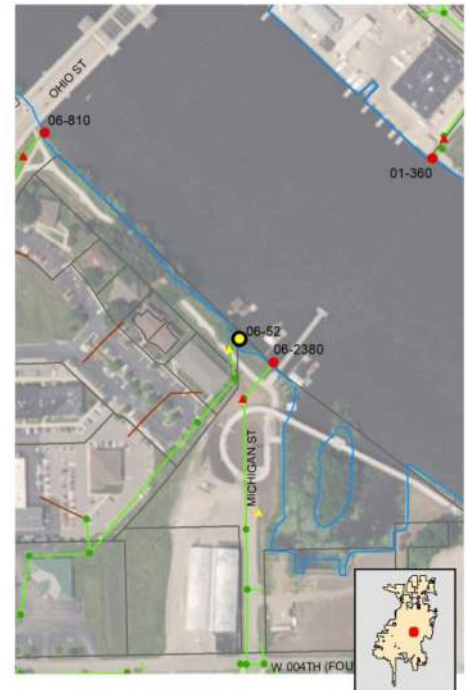
Longitude: -88.55013

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 4:31:59 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 06-52 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022163054.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/18/2017 11:31:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not located - screened upstream at 06-52 US1. Floating gross solids (litter) in manhole. </div>																			
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Inspection Date: 10/18/2016 2:57:41 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not located - screened upstream at 06-52 US1. </div>																			
Submerged: Fully Depth (in):																						
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Inspection Date: 9/23/2015 8:40:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not located - screened at 06-52 US1. </div>																			
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Inspection Date: 10/9/2014 9:32:21 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not located - screened upstream at 06-52 US1. </div>																			
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Inspection Date: 10/11/2011 11:06:46 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.																																			
Submerged: Fully Depth (in):																																						
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pH: -- units	Gross Solids:	None																																				
Temperature -- °F	Vegetation:	None																																				
Conductivity: -- µS/cm	Benthic Growth:	None																																				
Detergents: -- mg/L	Stains:	None																																				
	Non-illicit:	None																																				
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 <p style="text-align: center;">o20111011110724.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																			

Inspection Date: 8/18/2010 12:57:36 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.																																			
Submerged: Fully Depth (in):																																						
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:	Floatables:	None																																				
Total Chlorine: -- ppm	Odor:	None																																				
Free Chlorine: -- ppm	Turbidity:	None																																				
Ammonia: -- ppm	Color:	None																																				
pH: -- units	Gross Solids:	None																																				
Temperature -- °F	Vegetation:	None																																				
Conductivity: -- µS/cm	Benthic Growth:	None																																				
Detergents: -- mg/L	Stains:	None																																				
	Non-illicit:	None																																				
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 <p style="text-align: center;">o20100818124946.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>																																			

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-52

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022163144.JPG

Outfall Notes:

Upstream manhole located approx 34 ft SW of outfall 06-52. Intermediate area consists of open space.

County Coordinates:

Northing: 472,689

Easting: 789,786

Latitude/Longitude:

Latitude: 44.01621

Longitude: -88.55023



Inspection Date: 10/22/2018 4:34:14 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 44

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022163150.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-05

Time Collected: 16:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.77 units

Temperature (field): 54 °F

Conductivity (field): 348 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/18/2017 11:33:33 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20171018112938.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>	
Submerged: Fully		Depth (in): 40		Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.			
Sampling Results							
Sample Location: Pool		Floatables:	None	Condition Assessment		Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: 0 ppm		Odor:	None				
Free Chlorine: 0 ppm		Turbidity:	None				
Ammonia: 0 ppm		Color:	None				
pH: 8.39 units		Gross Solids:	Severe				
Temperature 65 °F		Vegetation:	None				
Conductivity: 403 µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				


Inspection Date: 10/18/2016 3:00:00 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20161018145924.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>	
Submerged: Fully		Depth (in):		Potential illicit discharge due to gross solids.			
Sampling Results							
Sample Location: Pool		Floatables:	None	Condition Assessment		Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm		Odor:	None				
Free Chlorine: 0 ppm		Turbidity:	None				
Ammonia: 0 ppm		Color:	None				
pH: 8.02 units		Gross Solids:	Moderate				
Temperature 67 °F		Vegetation:	None				
Conductivity: 418 µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 9/23/2015 8:42:53 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20150923074542.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>	
Submerged: Fully		Depth (in): 44		Floating gross solids (litter) in manhole.			
Sampling Results							
Sample Location: Pool		Floatables:	None	Condition Assessment		Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: 0 ppm		Odor:	None				
Free Chlorine: 0 ppm		Turbidity:	None				
Ammonia: 0 ppm		Color:	None				
pH: 8.74 units		Gross Solids:	Moderate				
Temperature 70 °F		Vegetation:	None				
Conductivity: 351 µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 10/9/2014 9:37:13 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20141009083526.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>	
Submerged: Fully		Depth (in): 35		Floating gross solids (litter) in manhole. Filter fabric installed in inlet.			
Sampling Results							
Sample Location: Pool		Floatables:	None	Condition Assessment		Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: 0 ppm		Odor:	None				
Free Chlorine: 0 ppm		Turbidity:	Slight cloudiness				
Ammonia: 0 ppm		Color:	None				
pH: 7.82 units		Gross Solids:	Severe				
Temperature 56 °F		Vegetation:	None				
Conductivity: 471 µS/cm		Benthic Growth:	Slight				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 10/11/2011 11:09:29 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2010 screening follow-up. Floatable debris significantly reduced.																												
Submerged: Fully Depth (in): 35																															
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Sample Location: Pool</td> <td style="width:20%;">Floatables: None</td> <td style="width:50%;"></td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: None</td> <td></td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> <td></td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: None</td> <td></td> </tr> <tr> <td>pH: 8.13 units</td> <td>Gross Solids: Moderate</td> <td></td> </tr> <tr> <td>Temperature 70 °F</td> <td>Vegetation: None</td> <td></td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth: None</td> <td></td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains: None</td> <td></td> </tr> <tr> <td></td> <td>Non-illicit: None</td> <td></td> </tr> </table>					Sample Location: Pool	Floatables: None		Total Chlorine: 0 ppm	Odor: None		Free Chlorine: 0 ppm	Turbidity: None		Ammonia: 0 ppm	Color: None		pH: 8.13 units	Gross Solids: Moderate		Temperature 70 °F	Vegetation: None		Conductivity: -- µS/cm	Benthic Growth: None		Detergents: -- mg/L	Stains: None			Non-illicit: None	
Sample Location: Pool	Floatables: None																														
Total Chlorine: 0 ppm	Odor: None																														
Free Chlorine: 0 ppm	Turbidity: None																														
Ammonia: 0 ppm	Color: None																														
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Temperature 70 °F	Vegetation: None																														
Conductivity: -- µS/cm	Benthic Growth: None																														
Detergents: -- mg/L	Stains: None																														
	Non-illicit: None																														
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																												
			 o20111011110824.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																												

Inspection Date: 5/26/2011 1:05:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.																												
Submerged: Fully Depth (in):																															
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Sample Location:</td> <td style="width:20%;">Floatables: None</td> <td style="width:50%;"></td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td></td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids: Moderate</td> <td></td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td></td> </tr> <tr> <td></td> <td>Non-illicit: None</td> <td></td> </tr> </table>					Sample Location:	Floatables: None		Total Chlorine: -- ppm	Odor:		Free Chlorine: -- ppm	Turbidity:		Ammonia: -- ppm	Color:		pH: -- units	Gross Solids: Moderate		Temperature -- °F	Vegetation:		Conductivity: -- µS/cm	Benthic Growth:		Detergents: -- mg/L	Stains:			Non-illicit: None	
Sample Location:	Floatables: None																														
Total Chlorine: -- ppm	Odor:																														
Free Chlorine: -- ppm	Turbidity:																														
Ammonia: -- ppm	Color:																														
pH: -- units	Gross Solids: Moderate																														
Temperature -- °F	Vegetation:																														
Conductivity: -- µS/cm	Benthic Growth:																														
Detergents: -- mg/L	Stains:																														
	Non-illicit: None																														
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																												
			 o20110526130522.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																												

Inspection Date: 8/18/2010 1:00:07 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Significant floatable debris in manhole.																												
Submerged: Fully Depth (in): 41																															
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Sample Location: Pool</td> <td style="width:20%;">Floatables: None</td> <td style="width:50%;"></td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: None</td> <td></td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: Slight cloudiness</td> <td></td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: Faint in bottle</td> <td></td> </tr> <tr> <td>pH: 7.98 units</td> <td>Gross Solids: Severe</td> <td></td> </tr> <tr> <td>Temperature 76 °F</td> <td>Vegetation: None</td> <td></td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth: None</td> <td></td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains: None</td> <td></td> </tr> <tr> <td></td> <td>Non-illicit: None</td> <td></td> </tr> </table>					Sample Location: Pool	Floatables: None		Total Chlorine: 0 ppm	Odor: None		Free Chlorine: 0 ppm	Turbidity: Slight cloudiness		Ammonia: 0 ppm	Color: Faint in bottle		pH: 7.98 units	Gross Solids: Severe		Temperature 76 °F	Vegetation: None		Conductivity: -- µS/cm	Benthic Growth: None		Detergents: 0 mg/L	Stains: None			Non-illicit: None	
Sample Location: Pool	Floatables: None																														
Total Chlorine: 0 ppm	Odor: None																														
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness																														
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pH: 7.98 units	Gross Solids: Severe																														
Temperature 76 °F	Vegetation: None																														
Conductivity: -- µS/cm	Benthic Growth: None																														
Detergents: 0 mg/L	Stains: None																														
	Non-illicit: None																														
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																												
			 o20100818125018.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																												

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

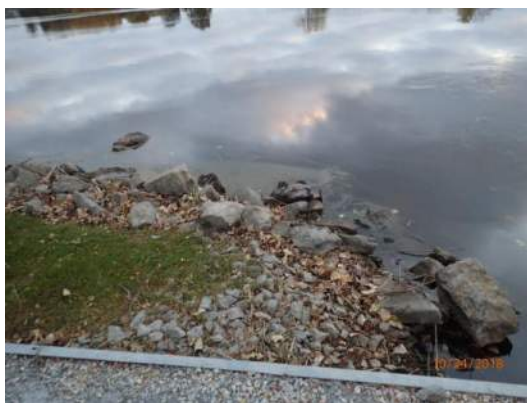
Dimensions

Diameter (in): 39

Height/Depth (in):

Width (in):

Mapping Precison:

☒ Not Physically Located

o20181024073024.JPG

Outfall Notes:

Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,404

Easting: 788,575

Latitude/Longitude:

Latitude: 44.02091

Longitude: -88.55484

Location Map



Inspection Date: 10/24/2018 7:31:02 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 06-216 US1. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024073028.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/18/2010 1:49:03 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-216 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20100818134248.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 Osh09_DSCN6784.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-2316

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024073316.JPG

Outfall Notes:

Upstream manhole located approx 72 ft WSW of outfall 06-216. Intermediate area consists of open area east of multifamily residential units.

County Coordinates:

Northing: 474,371

Easting: 788,512

Latitude/Longitude:

Latitude: 44.02082

Longitude: -88.55508



Inspection Date: 10/24/2018 7:36:44 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 108

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024073322.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-61

Time Collected: 07:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.31 units

Temperature (field): 53 °F

Conductivity (field): 1242 µS/cm

Detergents: 0 mg/L

Inspection Date: 8/18/2010 1:54:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 108																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>6.94 units</td> </tr> <tr> <td>Temperature:</td> <td>83 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	6.94 units	Temperature:	83 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100818134806.JPG 2010																																			

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 100																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> </tr> <tr> <td>pH:</td> <td>6.96 units</td> </tr> <tr> <td>Temperature:</td> <td>79 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	6.96 units	Temperature:	79 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 Osh09_DSCN6788.JPG 2009																																			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20181024074400.JPG

Outfall Notes:

N Campbell Rd storm sewer discharges to Campbell Creek from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,575

Easting: 787,954

Latitude/Longitude:

Latitude: 44.02138

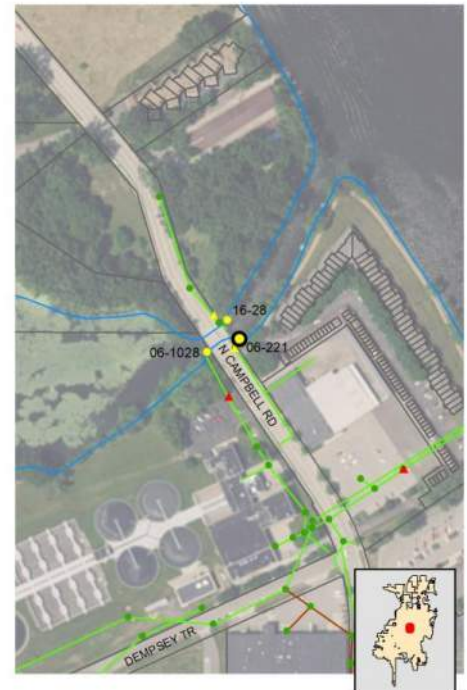
Longitude: -88.55720

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/24/2018 7:45:30 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 06-221 US1. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024074402.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L

Inspection Date: 10/18/2017 10:56:45 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 06-221 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018105502.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/18/2016 1:40:09 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 06-221 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018133940.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 10/7/2014 9:37:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged and not located - screened upstream at 06-221 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141007083652.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 11:34:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111011113446.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 8/18/2010 2:38:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p>o20100818142820.JPG</p> <p>2010</p>
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1.		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-221

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024074448.JPG

Outfall Notes:

Upstream manhole located approx 25 ft SSW of outfall 06-221. Intermediate area consists of open space. 1.5" hose through side of manhole - tied around steps

County Coordinates:

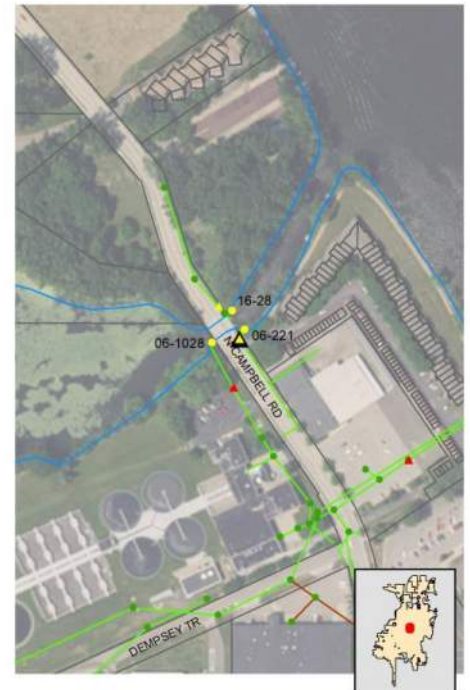
Northing: 474,552

Easting: 787,942

Latitude/Longitude:

Latitude: 44.02132

Longitude: -88.55724



Inspection Date: 10/24/2018 7:47:19 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181024074456.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-17

Time Collected: 07:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.59 units

Temperature (field): 52 °F

Conductivity (field): 575 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2017 11:00:06 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.24 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 379 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2017

Inspection Date: 10/18/2016 1:43:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 35		
Sampling Results		Notes Casting displaced 2". Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.06 units	Gross Solids: Moderate			
Temperature 68 °F	Vegetation: None			
Conductivity: 460 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


2016

Inspection Date: 10/7/2014 9:38:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.78 units	Gross Solids: Slight			
Temperature -- °F	Vegetation: None			
Conductivity: 351 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2014

Inspection Date: 10/11/2011 11:37:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results		Notes 2010 screening follow-up. Floatable debris still present.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.5 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

2011

Inspection Date: 8/18/2010 2:43:51 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Torn paper and other floatable debris in manhole.																																	
Submerged: Fully		Depth (in): 36	 <p>o20100818143354.JPG</p>																																	
Sampling Results <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.21 units</td> </tr> <tr> <td>Temperature:</td> <td>79 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:			Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.21 units	Temperature:	79 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None
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Gross Solids:	Moderate																																			
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Benthic Growth:	None																																			
Stains:	None																																			
Non-illicit:	None																																			
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Graffiti:	None																																			
Erosion:	None																																			
Deposition:	None 0 in.																																			
Damage:	None																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

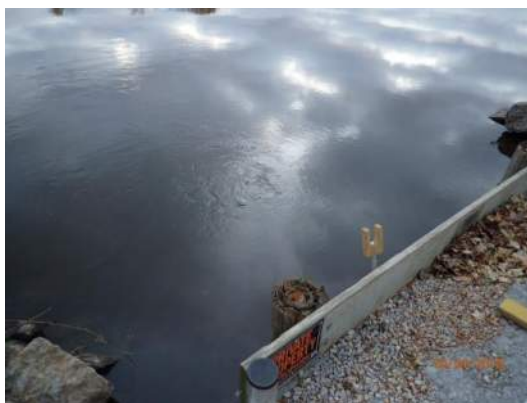
Diameter (in):

Height/Depth (in): 34

Width (in): 53

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181024072832.JPG

Outfall Notes:

Storm sewer from Campbell Rd discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,389

Easting: 788,576

Latitude/Longitude:

Latitude: 44.02087

Longitude: -88.55483

Location Map



Inspection Date: 10/24/2018 7:29:02 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged, significant flow causing surface disturbance. Screened upstream at 06-253 US1. Elevated ammonia and conductivity in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

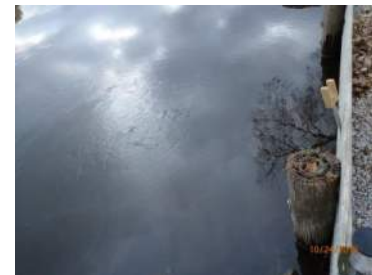
Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024072834.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm





Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/19/2017 1:14:17 PM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20171019131334.JPG 2017
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None		Condition Assessment	Outfall fully submerged with significant flow causing surface disturbance. Screened upstream at 06-253 US1. Elevated ammonia in manhole. Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/18/2016 1:59:02 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20161018135746.JPG 2016
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None		Condition Assessment	Outfall fully submerged and not located - screened upstream at 06-253 US1. Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/23/2015 9:26:08 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20150923082910.JPG 2015
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None		Condition Assessment	Outfall fully submerged and not located - screened at 06-253 US1. Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 8/18/2010 1:51:34 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20100818134248.JPG 2010
Sampling Results Sample Location: Floatables: None Total Chlorine: -- ppm Odor: None Free Chlorine: -- ppm Turbidity: None Ammonia: -- ppm Color: None pH: -- units Gross Solids: None Temperature -- °F Vegetation: None Conductivity: -- µS/cm Benthic Growth: None Detergents: -- mg/L Stains: None Non-illicit: None		Condition Assessment	Outfall fully submerged and not physically located. Outfall screened upstream at 06-263 US1. Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes			
Submerged: Fully		Depth (in):					
Sampling Results				Condition Assessment			
Sample Location:		Floatables:		Graffiti:		None	
Total Chlorine: -- ppm		Odor:		Erosion:		None	
Free Chlorine: -- ppm		Turbidity:		Deposition:		None 0 in.	
Ammonia: -- ppm		Color:		Damage:		None	
pH: -- units		Gross Solids:					
Temperature -- °F		Vegetation:					
Conductivity: -- µS/cm		Benthic Growth:					
Detergents: -- mg/L		Stains:					
		Non-illicit:					

Osh09_DSCN6785.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-253

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024071714.JPG

Outfall Notes:

Upstream manhole located approx 266 ft WSW of outfall 06-253. Intermediate area consists of parking lot, multifamily residential buildings and garages.

County Coordinates:

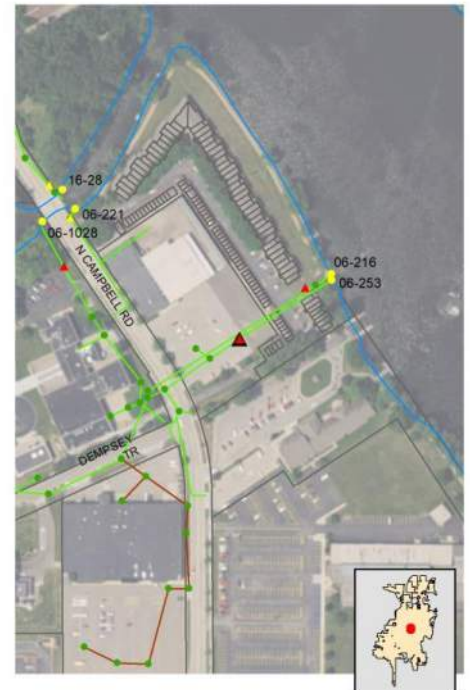
Northing: 474,249

Easting: 788,349

Latitude/Longitude:

Latitude: 44.02049

Longitude: -88.55569



Inspection Date: 10/24/2018 7:21:30 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 46

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged flow in manhole. Elevated ammonia and conductivity in sample.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☒ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024071720.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-99

Time Collected: 07:19

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 3 ppm

pH (field): 7.27 units

Temperature (field): 52 °F

Conductivity (field): 2280 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 1:19:57 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		Notes Sample collected from submerged flow in manhole. Elevated ammonia.		
Sample Location: Flow	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 3 ppm	Color: None			
pH: 7.15 units	Gross Solids: None			
Temperature 68 °F	Vegetation: None			
Conductivity: 1990 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171019131708.JPG

2017

Inspection Date: 10/18/2016 2:03:25 PM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		Notes Strong current; significant flies in manhole.		
Sample Location: Flow	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.01 units	Gross Solids: None			
Temperature 70 °F	Vegetation: None			
Conductivity: 1228 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161018140148.JPG

2016

Inspection Date: 9/23/2015 9:31:39 AM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 42		
Sampling Results		Notes Significant current detected in pool. Many flies emerging from water.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.53 units	Gross Solids: Slight			
Temperature 70 °F	Vegetation: None			
Conductivity: 1220 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923083310.JPG



2015

Inspection Date: 8/18/2010 2:07:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.05 units	Gross Solids: None			
Temperature 81 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20100818135922.JPG

2010

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes River fly swarm inside manhole.			
Submerged: Fully		Depth (in): 38					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 6.92 units Temperature: 79 °F Conductivity: -- µS/cm Detergents: 0 mg/L						Osh09_DSCN6791.JPG 2009	

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025100846.JPG

Outfall Notes:

Storm sewer from Bismarck Ave discharges to stream (culvert) from west.

County Coordinates:

Northing: 471,979

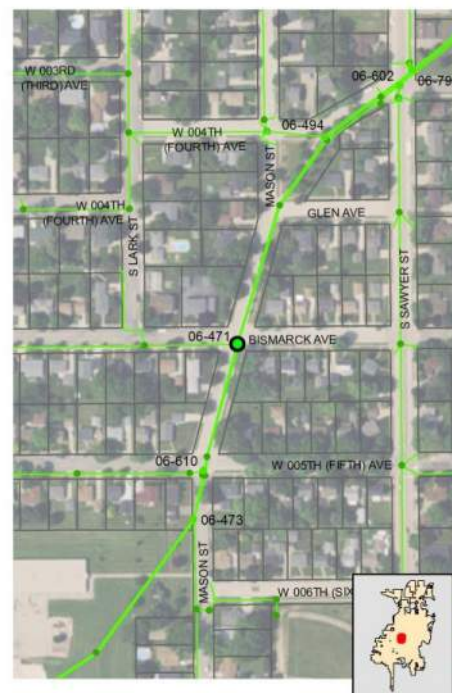
Easting: 784,853

Latitude/Longitude:

Latitude: 44.01425

Longitude: -88.56898

Location Map



Inspection Date: 10/25/2018 10:09:33 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe wet, but no flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025100838.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20181025100240.JPG

Outfall Notes:

Mason Street storm sewer discharges to stream (culvert) from south.

County Coordinates:

Northing: 471,552

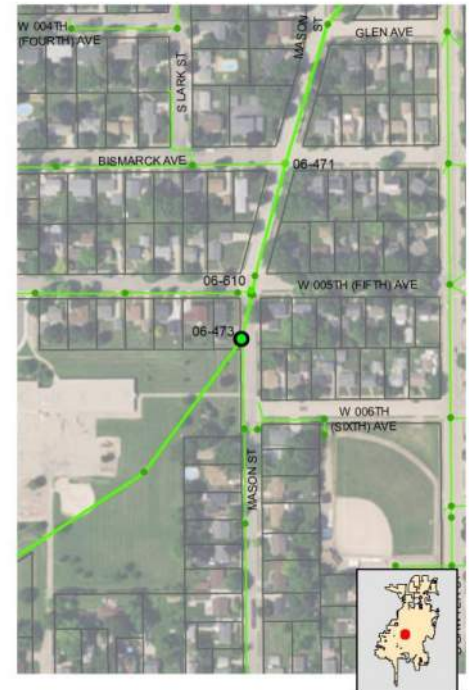
Easting: 784,739

Latitude/Longitude:

Latitude: 44.01308

Longitude: -88.56941

Location Map



Inspection Date: 10/26/2018 1:18:04 PM

Inspector: KMK

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025100244.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-85

Time Collected: 13:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.25 units

Temperature (field): 55 °F

Conductivity (field): 1080 µS/cm

Detergents: 0.3 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/25/2018 10:02:44 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes Sample collected from submerged pool in manhole. Detergent detected in sample.		
Sample Location: Flow	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.15 units	Gross Solids: None			
Temperature 52 °F	Vegetation: None			
Conductivity: 1289 µS/cm	Benthic Growth: None			
Detergents: 0.5 mg/L	Stains: None			
	Non-illicit: None			



o20181025100244.JPG

2018

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025094302.JPG

Outfall Notes:

Storm sewer from Eagle St discharges to stream from north.

County Coordinates:

Northing: 470,926

Easting: 783,989

Latitude/Longitude:

Latitude: 44.01136

Longitude: -88.57226

Location Map



Inspection Date: 10/25/2018 9:45:38 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from pipe flow.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor ☒ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025094334.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181025-75

Time Collected: 09:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.81 units

Temperature (field): 52 °F

Conductivity (field): 851 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/13/2012 1:23:15 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes Pipe and downstream channel dry.		
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120613122416.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in): 58

Mapping Precison:

☐ Not Physically Located

o20181025101450.JPG

Outfall Notes:

Storm sewer from W 4th Ave discharges to stream (culvert) from west.

County Coordinates:

Northing: 472,482

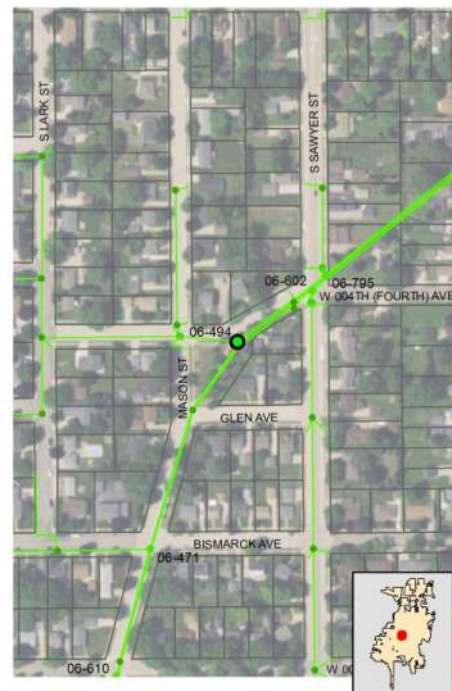
Easting: 785,074

Latitude/Longitude:

Latitude: 44.01563

Longitude: -88.56814

Location Map



Inspection Date: 10/25/2018 10:14:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Potential

Notes: Large vault, with no discrete sample from 4th Ave branch. Screened upstream at 06-494 US1. Detergent detected in sample.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025101450.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

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Inspection Date: 10/25/2018 10:22:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	8.32 units	Gross Solids:	None	
Temperature:	53 °F	Vegetation:	None	
Conductivity:	1884 µS/cm	Benthic Growth:	None	
Detergents:	0.3 mg/L	Stains:	None	
		Non-illicit:	None	
Notes				
Sample collected from submerged pool in manhole. Detergent detected in sample.				
Condition Assessment				
Graffiti:	None	Erosion:	None	
Deposition:	None	Damage:	None	in.



o20181025101942.JPG

2018

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

Outfall Notes:

Storm sewer from Durfee Ave discharges to stream (culvert) from southeast.

County Coordinates:

Northing: 473,157

Easting: 785,967

Latitude/Longitude:

Latitude: 44.01749

Longitude: -88.56474

Location Map



Photo Not Available

Inspection Date: 10/25/2018 10:57:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Illicit Discharge Potential: Unlikely

Notes: No discrete sample from Durfee Ave branch. Screened upstream at 06-795 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025105916.JPG

Outfall Notes:

Upstream manhole located approx 20 ft ESE of outfall 06-588. Intermediate area consists of street right-of-way.

County Coordinates:

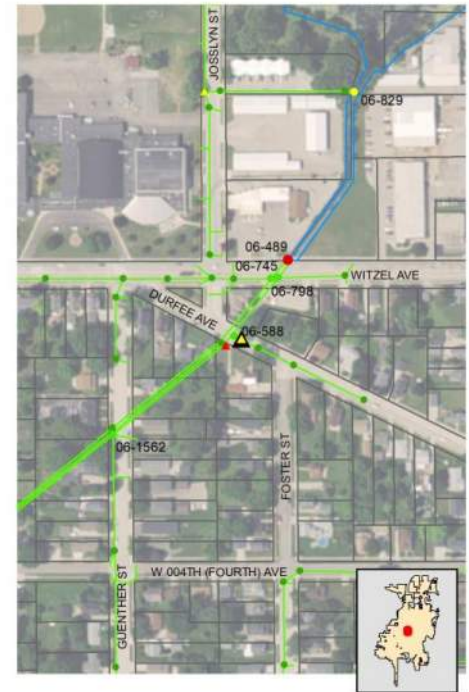
Northing: 473,150

Easting: 785,986

Latitude/Longitude:

Latitude: 44.01747

Longitude: -88.56468

Location Map**Inspection Date:** 10/25/2018 11:02:33 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely**Notes:** Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025105920.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181025-86

Time Collected: 11:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.34 units

Temperature (field): 54 °F

Conductivity (field): 1442 µS/cm

Detergents: 0 mg/L

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20181025102944.JPG

Outfall Notes:

Storm sewer from Sawyer St discharges to stream (culvert) from south.

County Coordinates:

Northing: 472,604

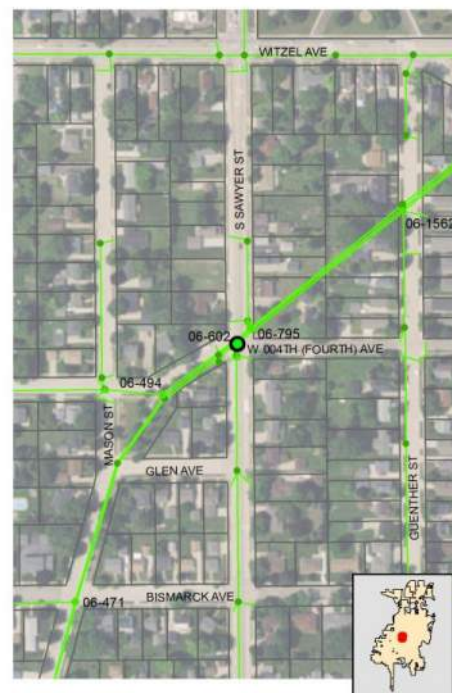
Easting: 785,260

Latitude/Longitude:

Latitude: 44.01597

Longitude: -88.56743

Location Map



Inspection Date: 10/25/2018 10:24:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Illicit Discharge Potential: Unlikely

Notes: No discrete sample from Sawyer St branch. Screened upstream at 06-602 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025102816.JPG

Outfall Notes:

Upstream manhole located approx 30 ft S of outfall 06-602. Intermediate area consists of street right-of-way.

County Coordinates:

Northing: 472,574

Easting: 785,258

Latitude/Longitude:

Latitude: 44.01589

Longitude: -88.56744

Location Map**Inspection Date:** 10/25/2018 10:32:00 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Flowline wet, but no collectable flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025102826.JPG

2018**Sampling Results**

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20181025095718.JPG

Outfall Notes:

Storm sewer from W 5th Ave enters stream (culvert) from west.

County Coordinates:

Northing: 471,670

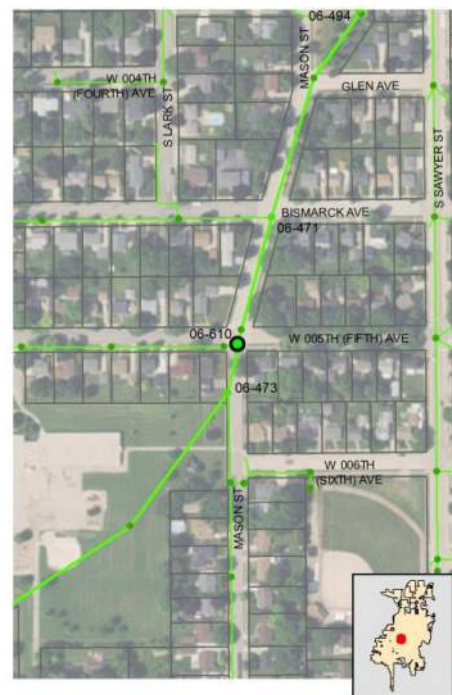
Easting: 784,765

Latitude/Longitude:

Latitude: 44.01341

Longitude: -88.56931

Location Map



Inspection Date: 10/26/2018 1:12:01 PM

Inspector: KMK

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025095732.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-16

Time Collected: 13:12

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.17 units

Temperature (field): 55 °F

Conductivity (field): 1215 µS/cm

Detergents: 0.45 mg/L

Inspection Date: 10/25/2018 9:59:28 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes Sample collected from submerged pool in manhole. Detergent detected in sample.		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	8.09 units	Gross Solids:	None	
Temperature:	51 °F	Vegetation:	None	
Conductivity:	1272 µS/cm	Benthic Growth:	None	
Detergents:	0.5 mg/L	Stains:	None	
		Non-illicit:	None	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20181025095732.JPG

2018

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20100825103932.JPG

Outfall Notes:

Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,070

Easting: 786,965

Latitude/Longitude:

Latitude: 44.01999

Longitude: -88.56095

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/25/2018 1:35:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 06-729 US1.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Outfall
Not
Located

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L



Outfall
Not
Located

06/06/2013 10:00 AM

A photograph of a pond with a grassy bank in the foreground and trees reflected in the water. The water is calm, showing clear reflections of the surrounding greenery. The grass in the foreground is tall and green. The trees in the background are dense and green. The overall scene is peaceful and natural.

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-729

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025134808.JPG

Outfall Notes:

Upstream manhole located approx 522 ft SSE of outfall 06-729. Intermediate manholes located inside wastewater treatment plant fence.

County Coordinates:

Northing: 473,600

Easting: 787,169

Latitude/Longitude:

Latitude: 44.01870

Longitude: -88.56018



Inspection Date: 10/25/2018 1:50:14 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 19

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025134812.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-138

Time Collected: 13:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.30 units

Temperature (field): 58 °F

Conductivity (field): 1119 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 8/25/2010 11:14:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 19																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.31 units</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.31 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.31 units																																					
Temperature:	71 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20100825110424.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																				

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 13																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> </tr> <tr> <td>pH:</td> <td>7.2 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	7.2 units	Temperature:	75 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	-- ppm																																					
pH:	7.2 units																																					
Temperature:	75 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 Osh09_DSCN6819.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>																																				

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20181025103616.JPG

Outfall Notes:

Storm sewer from Sawyer St discharges to stream (culvert) from north.

County Coordinates:

Northing: 472,642

Easting: 785,291

Latitude/Longitude:

Latitude: 44.01607

Longitude: -88.56731

Location Map



Inspection Date: 10/25/2018 10:32:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Illicit Discharge Potential: Unlikely

Notes: No discrete sample from Sawyer St branch. Screened upstream at 06-795 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181025103444.JPG

Outfall Notes:

Upstream manhole located approx 17 ft WNW of outfall 06-795. Intermediate area consists of street right-of-way.

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 472,658

Easting: 785,285

Latitude/Longitude:

Latitude: 44.01612

Longitude: -88.56734

Inspection Date: 10/25/2018 10:34:49 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025103450.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-72

Time Collected: 10:36

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.52 units

Temperature (field): 53 °F

Conductivity (field): 849 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 38

Width (in): 60

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022164102.JPG

Outfall Notes:

Storm sewer from Ohio St discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 473,225

Easting: 789,346

Latitude/Longitude:

Latitude: 44.01768

Longitude: -88.55190

Location Map



Inspection Date: 10/22/2018 4:42:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 06-810 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022164110.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 11:21:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 06-810 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018111512.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/18/2016 2:44:09 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 06-810 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018144322.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 9:09:50 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 06-810 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923081344.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 8/18/2010 1:15:26 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-810 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20100818130938.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																										
Submerged: Fully Depth (in):																													
Sampling Results			Condition Assessment																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:			Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:
Sample Location:	Floatables:	None																											
Total Chlorine: -- ppm	Odor:	None																											
Free Chlorine: -- ppm	Turbidity:	None																											
Ammonia: -- ppm	Color:	None																											
pH: -- units	Gross Solids:	None																											
Temperature -- °F	Vegetation:	None																											
Conductivity: -- µS/cm	Benthic Growth:	None																											
Detergents: -- mg/L	Stains:	None																											
	Non-illicit:	None																											
			Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																										



Osh09_DSCN6798.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-810

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022164214.JPG

Outfall Notes:

Upstream manhole located approx 77 ft SW of outfall 06-810. Intermediate area consists of open area.

County Coordinates:

Northing: 473,170

Easting: 789,293

Latitude/Longitude:

Latitude: 44.01753

Longitude: -88.55210



Inspection Date: 10/22/2018 4:45:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 58

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022164226.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-66

Time Collected: 16:44

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.70 units


Temperature (field): 55 °F


Conductivity (field): 370 µS/cm


Detergents: 0 mg/L

Inspection Date: 10/18/2017 11:23:20 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 50		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.85 units Temperature: 65 °F Conductivity: 174 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Sample collected from submerged pool in manhole.	 o20171018111612.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/18/2016 2:47:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 52		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.93 units Temperature: 67 °F Conductivity: 400 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes	 o20161018144430.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/23/2015 9:13:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 57		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.39 units Temperature: 70 °F Conductivity: 372 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes	 o20150923081432.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 8/18/2010 1:18:51 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 55		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.68 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes	 o20100818131246.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Abnormal detergent analysis result (bubbles)			
Submerged: Partially		Depth (in): 6					
Sampling Results		Floatables:		None			
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: 8.42 units		Vegetation:		None			
Temperature 82 °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			
				Condition Assessment			
				Graffiti: None			
				Erosion: None			
				Deposition: None		0 in.	
				Damage: None			

Osh09_DSCN6801.JPG

2009

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025133424.JPG

Outfall Notes:

Storm sewer from Josslyn St discharges to stream from west. Exits wall approx 9' north of fence.

County Coordinates:

Northing: 473,749

Easting: 786,270

Latitude/Longitude:

Latitude: 44.01911

Longitude: -88.56360

Location Map



Inspection Date: 10/25/2018 1:36:22 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged - screened upstream at 06-829 US1. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181025133432.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/7/2014 10:34:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 42																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged - screened upstream at 06-829 US1. Manhole lid in water near end of pipe.	 o20141007093522.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/5/2013 9:25:55 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 45																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes 2012 screening follow-up. Outfall fully submerged. Outfall screened upstream at 06-829 US1. Gross solids in upstream mh.	 o20130905082920.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/27/2012 12:33:16 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged; screened upstream at 06-829 US1.	 o20120927113654.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None	2012																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 6/13/2012 2:26:38 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Gross solids pre-screening.	 o20120613132730.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-831

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025133810.JPG

Outfall Notes:

Upstream manhole located approx 360 ft W of outfall 06-829. Intermediate area consists of multifamily residential and commercial properties. Two downstream manholes not located. High school located immediately upstream.

County Coordinates:

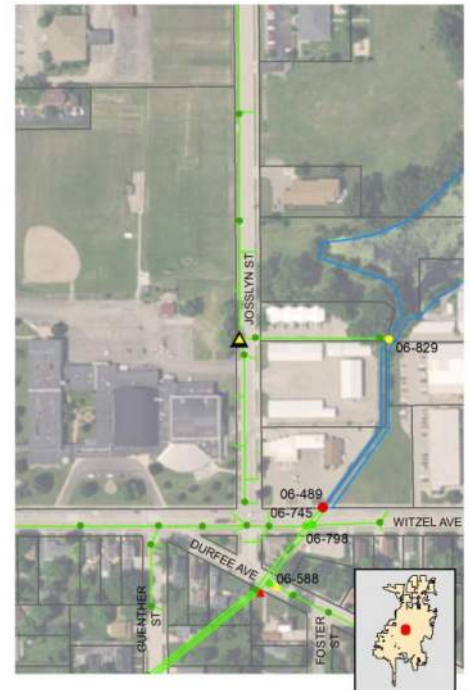
Northing: 473,756

Easting: 785,906

Latitude/Longitude:

Latitude: 44.01913

Longitude: -88.56498



Inspection Date: 10/25/2018 1:40:19 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 39

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025133814.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-132

Time Collected: 13:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.64 units


Temperature (field): 58 °F


Conductivity (field): 1550 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/7/2014 10:41:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 30																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.82 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>1715 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.82 units	Temperature:	-- °F	Conductivity:	1715 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Non-illicit:	None																																					
		Notes Vegetative debris from opening lid.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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Deposition:	None in.																																					
Damage:	None																																					
				 o20141007094030.JPG 2014																																		

Inspection Date: 9/5/2013 9:16:05 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 35																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.7 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>1666 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.7 units	Temperature:	71 °F	Conductivity:	1666 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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		Notes 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20130905082002.JPG 2013																																		

Inspection Date: 9/27/2012 12:28:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 30																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.72 units</td></tr> <tr><td>Temperature:</td><td>64 °F</td></tr> <tr><td>Conductivity:</td><td>1583 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.72 units	Temperature:	64 °F	Conductivity:	1583 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
				 o20120927113044.JPG 2012																																		

Inspection Date: 6/13/2012 2:30:25 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 37																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.58 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1765 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.58 units	Temperature:	70 °F	Conductivity:	1765 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Stains:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20120613133100.JPG 2012																																		

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025104916.JPG

Outfall Notes:

Storm sewer from Guenther St discharges to stream (culvert) from south.

County Coordinates:

Northing: 472,922

Easting: 785,668

Latitude/Longitude:

Latitude: 44.01684

Longitude: -88.56588

Location Map



Inspection Date: 10/25/2018 10:49:47 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 4

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025104932.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-46

Time Collected: 10:49

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.34 units

Temperature (field): 53 °F

Conductivity (field): 1239 µS/cm

Detergents: 0 mg/L

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):



o20181024154708.JPG

Outfall Notes:

Storm sewer from Witzel Ave discharges to stream from west via riprap channel.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,464

Easting: 779,259

Latitude/Longitude:

Latitude: 44.01831

Longitude: -88.59025

Inspection Date: 10/24/2018 3:49:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 06-1746 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024154716.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/3/2017 1:22:33 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.55 units Temperature: 74 °F Conductivity: 623 µS/cm Detergents: 1 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None		
		Notes Outfall partially submerged - screened upstream at 06-1746 US1. Sample collected from outfall pool - detergent detected.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171003132032.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 5/30/2012 9:14:05 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 06-1746 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20120530081528.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>		

Inspection Date: 9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Wet, no flow.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 Osh09_DSCN6473.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>		

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1746

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024155056.JPG

Outfall Notes:

Upstream manhole located approx 237 ft W of outfall 16-1746. Intermediate area consists of street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,431

Easting: 779,009

Latitude/Longitude:

Latitude: 44.01822

Longitude: -88.59120

Inspection Date: 10/24/2018 3:50:41 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181024155102.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-12

Time Collected: 15:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.19 units


Temperature (field): 54 °F

Conductivity (field): 1195 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/17/2017 9:12:10 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.9 units Temperature: 60 °F Conductivity: 989 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Repeat inspection due to detergent. No detergent detected in manhole sample.	 o20171017090542.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/3/2017 1:32:29 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Flowline wet, but no flow at time of inspection. Detergent detected in sample from outfall pool.	 o20171003132832.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 5/30/2012 9:35:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.76 units Temperature: 64 °F Conductivity: 707 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes	 o20120530102826.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Box

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 48

Width (in): 120

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025135716.JPG

Outfall Notes:

Storm sewer from Knapp St discharges to stream from south. Replaces outfalls 06-15 and 06-560 (2011).

County Coordinates:

Northing: 473,965

Easting: 786,582

Latitude/Longitude:

Latitude: 44.01970

Longitude: -88.56241

Location Map



Inspection Date: 10/25/2018 1:59:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 60

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged - screened upstream at 06-2241 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025135726.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/7/2014 9:58:05 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 46		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 06-2241 US1.	 o20141007085606.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/5/2013 8:49:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Severe Stains: None Non-illicit: None	Notes 2012 screening follow-up. Outfall fully submerged. Outfall screened upstream at 06-2241 US1.	 o20130905075650.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/27/2012 12:15:16 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 36		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged; screened upstream at 06-2241.	 o20120927111938.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 6/20/2012 9:50:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 45		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged; screened upstream at 06-2241 US1.	 o20120620085346.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 6/13/2012 2:13:03 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Gross solids pre-screening.
Submerged: Fully		Depth (in): 45		
Sampling Results				
Sample Location:		Floatables:	None	
Total Chlorine:	-- ppm	Odor:	None	
Free Chlorine:	-- ppm	Turbidity:	None	
Ammonia:	-- ppm	Color:	None	
pH:	-- units	Gross Solids:	None	
Temperature	-- °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	None	
Detergents:	-- mg/L	Stains:	None	
		Non-illicit:	None	
Condition Assessment				
Graffiti:		None		
Erosion:		None		
Deposition:		None in.		
Damage:		None		



o20120613131558.JPG

2012

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-2241

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181025135908.JPG

Outfall Notes:

Upstream manhole located approx 80 ft S of outfall 06-2241. Intermediate area consists of street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,884

Easting: 786,580

Latitude/Longitude:

Latitude: 44.01948

Longitude: -88.56242

Inspection Date: 10/25/2018 2:01:17 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 58

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025135914.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-102

Time Collected: 13:58

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.81 units

Temperature (field): 55 °F


Conductivity (field): 1013 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/7/2014 10:01:14 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 52		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.91 units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: 732 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20141007085918.JPG
2014


Inspection Date: 9/5/2013 8:55:27 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 58		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.34 units	Gross Solids: None			
Temperature 69 °F	Vegetation: None			
Conductivity: 438 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			


 o20130905075900.JPG
2013

Inspection Date: 9/27/2012 12:18:11 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 54		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.85 units	Gross Solids: None			
Temperature 63 °F	Vegetation: None			
Conductivity: 497 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			


 o20120927112310.JPG
2012

Inspection Date: 6/20/2012 9:54:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 60		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0.5 ppm	Color: None			
pH: 7.77 units	Gross Solids: None			
Temperature 81 °F	Vegetation: None			
Conductivity: 632 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20120620085526.JPG
2012

Inspection Date: 6/13/2012 2:06:46 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 52	Gross solids pre-screening	
Sampling Results				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	Faint	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	3 ppm	Color:	None	
pH:	7.76 units	Gross Solids:	None	
Temperature:	75 °F	Vegetation:	None	
Conductivity:	1034 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	Slight	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20120613130900.JPG

2012

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 27

Width (in): 43

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171017135258.JPG

Outfall Notes:

Bay St storm sewer discharges to river from north. Outfall fully submerged. Pipe info from MS4 map.

County Coordinates:

Northing: 471,023

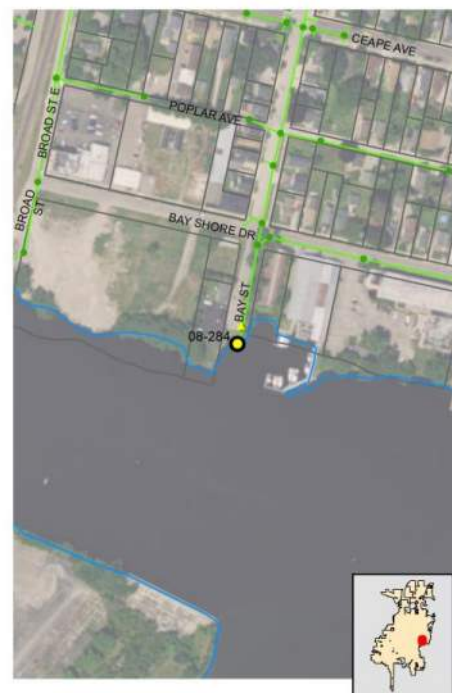
Easting: 794,824

Latitude/Longitude:

Latitude: 44.01165

Longitude: -88.53108

Location Map



Inspection Date: 10/22/2018 10:51:14 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 08-284 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022105100.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/17/2017 1:56:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 36		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged with approx 9" of water over crown of pipe - screened upstream at 08-284 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171017135302.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/10/2016 10:18:48 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010101832.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/22/2015 10:04:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall fully submerged - screened at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922090932.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 11:24:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 29		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged - screened upstream at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor	
			 o20141009102400.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 8:37:04 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 08-284 US1.		 o20111011083728.JPG	
Submerged: Fully		Depth (in): 25					
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		<div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 8/17/2010 9:35:00 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 08-284 US1.		 o20100817093554.JPG	
Submerged: Fully		Depth (in):					
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		<div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

08-284

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022105148.JPG

Outfall Notes:

Upstream manhole located approx 26 ft N of outfall 08-284. Intermediate area consists of street right-of-way and open space.

County Coordinates:

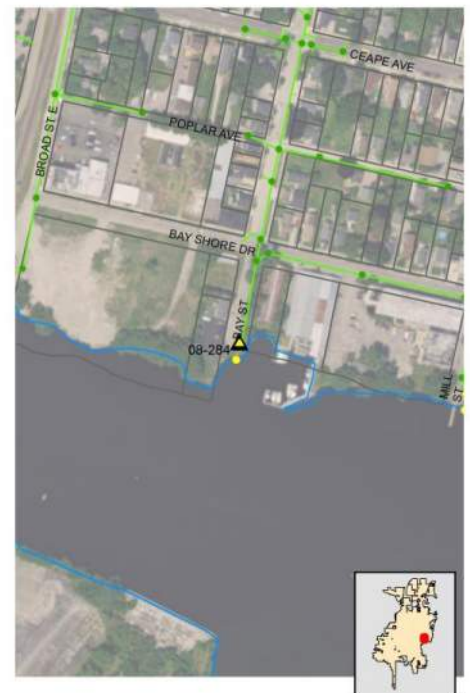
Northing: 471,067

Easting: 794,833

Latitude/Longitude:

Latitude: 44.01177

Longitude: -88.53104



Inspection Date: 10/22/2018 10:54:41 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 34

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in outfall. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: Faint in bottle

Gross Solids: Moderate

Vegetation: None

Benthic Growth: Moderate

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suda ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Brown

☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suda/Foam

o20181022105156.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-33

Time Collected: 10:53

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.50 units

Temperature (field): 54 °F

Conductivity (field): 314 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/17/2017 1:59:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 30																																				
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.67 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>352 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.67 units	Temperature:	66 °F	Conductivity:	352 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20171017135518.JPG 2017																																		


Inspection Date: 10/10/2016 10:21:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 32																																				
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.15 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>369 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Clearly visible in bottle</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.15 units	Temperature:	63 °F	Conductivity:	369 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Clearly visible in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>Potential illicit discharge due to gross solids.</p> </div> <div style="width: 45%;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20161010101916.JPG 2016																																		

Inspection Date: 9/22/2015 10:09:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 34																																				
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.8 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>335 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.8 units	Temperature:	70 °F	Conductivity:	335 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150922091040.JPG 2015																																		

Inspection Date: 10/9/2014 11:28:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 29																																				
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.34 units</td></tr> <tr><td>Temperature:</td><td>57 °F</td></tr> <tr><td>Conductivity:</td><td>400 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.34 units	Temperature:	57 °F	Conductivity:	400 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20141009102622.JPG 2014																																		

Inspection Date: 10/11/2011 8:41:22 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.		 o20111011084038.JPG	
Submerged: Fully		Depth (in): 18					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2011	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 72 °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 5/26/2011 11:01:00 AM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Limited screening conducted to check for floatable debris.		 o20110526110156.JPG	
Submerged: Fully		Depth (in):					
Sampling Results		Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2011	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 8/17/2010 9:47:15 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Significant floatable debris in manhole.		 o20100817093838.JPG	
Submerged: Fully		Depth (in): 31					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2010	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.64 units Temperature: 74 °F Conductivity: -- µS/cm Detergents: 0 mg/L							

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20181022105814.JPG

Outfall Notes:

Broad St storm sewer discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 471,171

Easting: 794,227

Latitude/Longitude:

Latitude: 44.01205

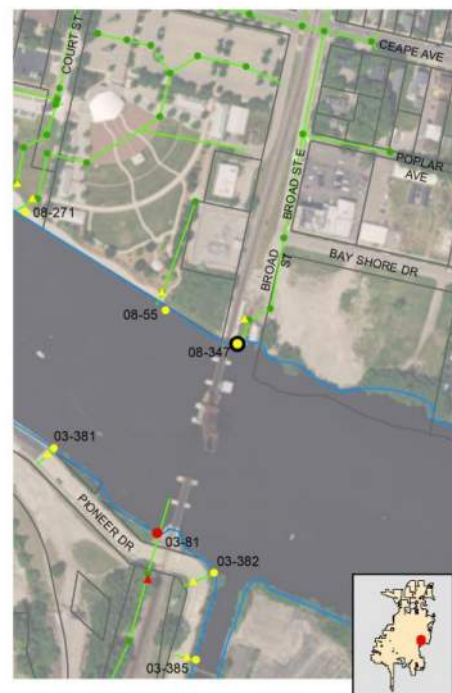
Longitude: -88.53335

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 10:59:46 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 08-347 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022105820.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/17/2017 2:04:43 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 08-347 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017140150.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 10:13:44 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 08-347 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010101244.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/22/2015 10:41:14 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened at 08-347 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150922094458.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

Inspection Date: 10/9/2014 11:13:09 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 08-347 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141009101330.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>		

Inspection Date: 10/11/2011 8:48:34 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.																																			
Submerged: Fully Depth (in):																																						
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:	Floatables:	None																																				
Total Chlorine: -- ppm	Odor:	None																																				
Free Chlorine: -- ppm	Turbidity:	None																																				
Ammonia: -- ppm	Color:	None																																				
pH: -- units	Gross Solids:	None																																				
Temperature -- °F	Vegetation:	None																																				
Conductivity: -- µS/cm	Benthic Growth:	None																																				
Detergents: -- mg/L	Stains:	None																																				
	Non-illicit:	None																																				
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20111011084904.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>																																			

Inspection Date: 8/17/2010 10:13:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.																																			
Submerged: Fully Depth (in):																																						
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:	Floatables:	None																																				
Total Chlorine: -- ppm	Odor:	None																																				
Free Chlorine: -- ppm	Turbidity:	None																																				
Ammonia: -- ppm	Color:	None																																				
pH: -- units	Gross Solids:	None																																				
Temperature -- °F	Vegetation:	None																																				
Conductivity: -- µS/cm	Benthic Growth:	None																																				
Detergents: -- mg/L	Stains:	None																																				
	Non-illicit:	None																																				
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100817100702.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>																																			

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

08-347

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022110024.JPG

Outfall Notes:

Upstream manhole located approx 64 ft NNE of outfall 08-347. Intermediate area consists of gravel parking area and railroad storage shed.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 471,232

Easting: 794,245

Latitude/Longitude:

Latitude: 44.01222

Longitude: -88.53328

Inspection Date: 10/22/2018 11:02:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 53

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: Faint in bottle

Gross Solids: Slight

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Brown

☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022110036.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-36

Time Collected: 11:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.49 units

Temperature (field): 55 °F

Conductivity (field): 321 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 2:07:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 46		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.29 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 346 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171017140304.JPG

2017

Inspection Date: 10/18/2016 5:02:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 46		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.18 units	Gross Solids: Severe			
Temperature 66 °F	Vegetation: None			
Conductivity: 361 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161018170248.JPG

2016

Inspection Date: 9/22/2015 10:46:05 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 48		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.33 units	Gross Solids: Moderate			
Temperature 73 °F	Vegetation: None			
Conductivity: 352 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150922094746.JPG


2015


Inspection Date: 10/9/2014 11:17:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.67 units	Gross Solids: Moderate			
Temperature 59 °F	Vegetation: None			
Conductivity: 422 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			




o20141009101552.JPG

2014

Inspection Date: 10/11/2011 8:51:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20111011085018.JPG 2011
Submerged: Fully		Depth (in): 43		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.87 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: -- mg/L		Notes 2010 screening follow-up. Floatable debris significantly reduced. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None				

Inspection Date: 5/26/2011 11:05:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20110526110604.JPG 2011
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Notes Limited screening conducted to check for floatable debris. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: None Odor: Turbidity: Color: Gross Solids: Slight Vegetation: Benthic Growth: Stains: Non-illicit: None				

Inspection Date: 8/17/2010 10:17:46 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 o20100817100950.JPG 2010
Submerged: Fully		Depth (in): 48		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.71 units Temperature: 74 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Notes Significant floatable debris in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20181022111410.JPG

Outfall Notes:

Storm sewer from parking lot discharges to river from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 471,674

Easting: 793,433

Latitude/Longitude:

Latitude: 44.01343

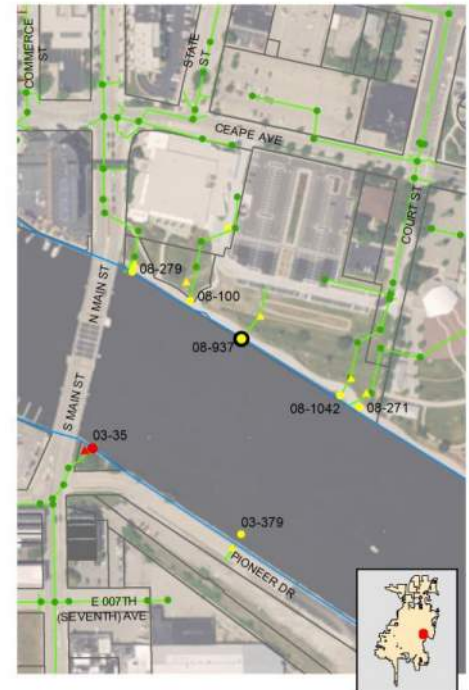
Longitude: -88.53636

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/22/2018 11:16:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 08-937 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022111414.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 2:14:40 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 08-937 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20171017141254_1.JPG 2017	

Inspection Date: 10/10/2016 10:03:18 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall not located and assumed fully submerged - screened upstream at 08-937 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161010100214.JPG 2016	

Inspection Date: 9/22/2015 12:11:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall under walkway and not located - screened at 08-937 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150922111358.JPG 2015	

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

08-937

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022111650.JPG

Outfall Notes:

Upstream catchbasin located approx 73 ft NE of 08-937. Intermediate area consists of park space and sidewalk.

County Coordinates:

Northing: 471,729

Easting: 793,480

Latitude/Longitude:

Latitude: 44.01358

Longitude: -88.53618

Location Map**Inspection Date:** 10/22/2018 11:19:36 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 17

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: None

Turbidity: None

Color: Faint in bottle

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: Moderate

Non-illicit: Moderate

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Brown

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam

o20181022111658.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-40

Time Collected: 11:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 6.62 units

Temperature (field): 57 °F

Conductivity (field): 722 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/17/2017 2:18:29 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 10		
Sampling Results		Notes		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	1 ppm	Color:	Faint in bottle	
pH:	6.8 units	Gross Solids:	None	
Temperature	67 °F	Vegetation:	None	
Conductivity:	690 µS/cm	Benthic Growth:	Moderate	
Detergents:	0 mg/L	Stains:	Moderate	
		Non-illicit:	Moderate	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	
		 o20171017141426.JPG 2017		

Inspection Date: 10/10/2016 10:06:06 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results		Notes		
Sample Location:	Pool	Floatables:	Slight	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	1 ppm	Color:	Clearly visible in flow	
pH:	6.94 units	Gross Solids:	None	
Temperature	64 °F	Vegetation:	None	
Conductivity:	752 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	Moderate	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	
		 o20161010100336.JPG 2016		

Inspection Date: 9/22/2015 12:16:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 16		
Sampling Results		Notes		
Sample Location:	Pool	Floatables:	Moderate	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.48 units	Gross Solids:	None	
Temperature	75 °F	Vegetation:	None	
Conductivity:	499 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	
		 o20150922111710.JPG 2015		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Osh09_DSCN6774.JPG

Outfall Notes:

Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

County Coordinates:

Northing: 471,884

Easting: 790,634

Latitude/Longitude:

Latitude: 44.01400

Longitude: -88.54700

Location Map



Inspection Date: 10/22/2018 4:19:32 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall behind locked gate. Screened upstream at 09-101a US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Outfall
Not
Located

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L

Inspection Date: 10/18/2017 3:36:30 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall behind locked gate. Screened upstream at 09-101a US1.	 o20171018152942.JPG 2017
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/18/2016 4:18:00 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.	 Photo Not Available 2016
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/23/2015 8:03:03 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.	 Photo Not Available 2015
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 8/18/2010 10:55:07 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 09-101a US1.	 o20100818104726.JPG 2010
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/10/2009		Type: Initial		Flow:		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes			
Submerged: Partially		Depth (in):					
Sampling Results				Condition Assessment			
Sample Location:		Floatables:		Graffiti:		None	
Total Chlorine: -- ppm		Odor:		Erosion:		None	
Free Chlorine: -- ppm		Turbidity:		Deposition:		None 0 in.	
Ammonia: -- ppm		Color:		Damage:		None	
pH: -- units		Gross Solids:					
Temperature -- °F		Vegetation:					
Conductivity: -- µS/cm		Benthic Growth:					
Detergents: -- mg/L		Stains:					
		Non-illicit:					

Osh09_DSCN6774.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

09-29

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022161640.JPG

Outfall Notes:

Upstream manhole located approx 292 ft SSW of outfall 09-101a. Intermediate area consists of gravel parking area for industrial property.

County Coordinates:

Northing: 471,604

Easting: 790,555

Latitude/Longitude:

Latitude: 44.01324

Longitude: -88.54730



Inspection Date: 10/22/2018 4:20:18 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 34

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022161648.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-94

Time Collected: 16:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.75 units


Temperature (field): 55 °F


Conductivity (field): 1251 µS/cm




Detergents: 0 mg/L

Inspection Date: 10/18/2017 3:35:01 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 26																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.85 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>1169 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.85 units	Temperature:	66 °F	Conductivity:	1169 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
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Damage:	None																																					
				 o20171018153026.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/18/2016 4:18:25 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 28																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.93 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>1231 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.93 units	Temperature:	67 °F	Conductivity:	1231 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Cloudy</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	Cloudy	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
				 o20161018161534.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/23/2015 8:04:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 24																																				
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				 o20150923070520.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Inspection Date: 8/18/2010 10:47:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 24																																				
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				 o20100818103836.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																		

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																													
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes																															
Submerged: Fully		Depth (in): 22																																	
Sampling Results		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<table border="1"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None		
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Deposition:	None																																		
Damage:	None																																		
						<p>Osh09_DSCN6777.JPG</p> <p>2009</p>																													

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



Osh09_DSCN6774.JPG

Outfall Notes:

Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

County Coordinates:

Northing: 471,883

Easting: 790,642

Latitude/Longitude:

Latitude: 44.01400

Longitude: -88.54697

Location Map



Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Inspection Date: 10/25/2018 1:07:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall behind locked gate. Screened upstream at 09-101b US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Outfall
Not
Located

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/18/2010 10:58:06 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 09-101b US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20100818104726.JPG 2010

Inspection Date: 9/10/2009		Type: Initial	Flow:	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 Osh09_DSCN6774.JPG 2009

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181025130906.JPG

Outfall Notes:

Upstream manhole located approx 655 ft SSW of outfall 09-101b. Intermediate area consists of gravel parking area for industrial property.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 471,246

Easting: 790,512

Latitude/Longitude:

Latitude: 44.01225

Longitude: -88.54747

Inspection Date: 10/25/2018 1:09:37 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 33

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025130912.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-13

Time Collected: 13:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.06 units

Temperature (field): 55 °F

Conductivity (field): 1321 µS/cm

Detergents: 0 mg/L

Inspection Date: 8/18/2010 11:20:42 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 30		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.88 units Temperature: 73 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20100818111616.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2010</div>

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 28		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.21 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 Osh09_DSCN6780.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2009</div>

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID:

N/A

Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):



Osh09_DSCN6774.JPG

Outfall Notes:

Iowa St storm sewer discharges to river from south. Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

County Coordinates:

Northing: 471,883

Easting: 790,649

Latitude/Longitude:

Latitude: 44.01400

Longitude: -88.54695

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/25/2018 1:01:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall behind locked gate. Screened upstream at 09-101c US1. Floating gross solids (litter) in manhole.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Outfall
Not
Located

Photo Not Available

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/9/2014 9:25:13 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall behind locked gate - screened upstream at 09-101c US1. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None	 o20141009082418.JPG 2014
Sample Location:																																														
Total Chlorine:	-- ppm																																													
Free Chlorine:	-- ppm																																													
Ammonia:	-- ppm																																													
pH:	-- units																																													
Temperature:	-- °F																																													
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Vegetation:	None																																													
Benthic Growth:	None																																													
Stains:	None																																													
Non-illicit:	None																																													
Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None in.																																													
Damage:	None																																													

Inspection Date: 9/27/2012 10:19:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall behind locked gate and not accessible. Screened upstream at 09-101c US1. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None	Outfall Not Located Photo Not Available 2012
Sample Location:																																														
Total Chlorine:	-- ppm																																													
Free Chlorine:	-- ppm																																													
Ammonia:	-- ppm																																													
pH:	-- units																																													
Temperature:	-- °F																																													
Conductivity:	-- µS/cm																																													
Detergents:	-- mg/L																																													
Floatables:	None																																													
Odor:	None																																													
Turbidity:	None																																													
Color:	None																																													
Gross Solids:	None																																													
Vegetation:	None																																													
Benthic Growth:	None																																													
Stains:	None																																													
Non-illicit:	None																																													
Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None in.																																													
Damage:	None																																													

Inspection Date: 6/21/2012 10:47:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24																																										
Illicit Discharge Potential: Potential		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Gross solids pre-screening. Actual outfall not screened - screened upstream at 09-101c US1. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None	Outfall Not Located Photo Not Available 2012
Sample Location:																																														
Total Chlorine:	-- ppm																																													
Free Chlorine:	-- ppm																																													
Ammonia:	-- ppm																																													
pH:	-- units																																													
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Detergents:	-- mg/L																																													
Floatables:	None																																													
Odor:	None																																													
Turbidity:	None																																													
Color:	None																																													
Gross Solids:	None																																													
Vegetation:	None																																													
Benthic Growth:	None																																													
Stains:	None																																													
Non-illicit:	None																																													
Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None in.																																													
Damage:	None																																													

Inspection Date: 10/11/2011 9:16:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Potential		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes 2010 screening follow-up. Upstream manhole rescreened. Actual outfall not screened. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None	Outfall Not Located Photo Not Available 2011
Sample Location:																																														
Total Chlorine:	-- ppm																																													
Free Chlorine:	-- ppm																																													
Ammonia:	-- ppm																																													
pH:	-- units																																													
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Floatables:	None																																													
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Gross Solids:	None																																													
Vegetation:	None																																													
Benthic Growth:	None																																													
Stains:	None																																													
Non-illicit:	None																																													
Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None 0 in.																																													
Damage:	None																																													


Inspection Date: 8/18/2010 11:01:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 09-101c US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100818104726.JPG

2010

Inspection Date: 9/10/2009		Type: Initial	Flow:	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in):				
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



Osh09_DSCN6774.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

09-47

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025130328.JPG

Outfall Notes:

Upstream manhole located approx 605 ft SSW of outfall 09-101c. Intermediate area consists of gravel parking area for industrial property.

County Coordinates:

Northing: 471,296

Easting: 790,525

Latitude/Longitude:

Latitude: 44.01239

Longitude: -88.54742



Inspection Date: 10/25/2018 1:08:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 26

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025130334.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-62

Time Collected: 13:03

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.63 units

Temperature (field): 56 °F


Conductivity (field): 1262 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/9/2014 9:04:13 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 16		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.94 units	Gross Solids: Slight			
Temperature 56 °F	Vegetation: None			
Conductivity: 1355 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20141009080208.JPG
2014


Inspection Date: 9/27/2012 10:18:51 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 21		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8 units	Gross Solids: Slight			
Temperature 64 °F	Vegetation: None			
Conductivity: 1187 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20120927091956.JPG
2012


Inspection Date: 6/21/2012 10:47:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: Moderate			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			


 o20120621094646.JPG
2012

Inspection Date: 10/11/2011 9:16:27 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 18		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.26 units	Gross Solids: Moderate			
Temperature 70 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: Moderate			
	Non-illicit: None			


 o20111011091544.JPG
2011


Inspection Date: 10/20/2010 9:35:37 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 16	Floatable debris in manhole.	
Sampling Results				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.88 units	Gross Solids:	Moderate	
Temperature	55 °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	Slight	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20101020093518.jpg

2010

Inspection Date: 9/11/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: None		Depth (in):		
Sampling Results				
Sample Location:	Pool	Floatables:	Slight	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	-- ppm	Color:	None	
pH:	8.13 units	Gross Solids:	None	
Temperature	74 °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



Osh09_DSCN6891.JPG

2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20181022094114.JPG

Outfall Notes:

Baldwin Ave storm sewer discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

Mapping Precison:

☒ Not Physically Located

County Coordinates:

Northing: 478,060

Easting: 797,503

Latitude/Longitude:

Latitude: 44.03095

Longitude: -88.52090

Location Map



Inspection Date: 10/22/2018 9:42:07 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 11-376 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022094126.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/17/2017 1:03:56 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 11-376 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017130204.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/19/2016 7:43:58 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 11-376 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161019074246.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/24/2015 9:06:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: Moderate		
		Notes Outfall fully submerged and not located - screened at 11-376 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924081044.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

Inspection Date: 10/9/2014 1:35:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 11-376 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141009123438.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>		


Inspection Date: 10/4/2011 9:20:16 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 11-376 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111004092048.JPG

2011


Inspection Date: 5/10/2011 12:22:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 11-376 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:		Graffiti: None	
Total Chlorine: -- ppm	Odor:		Erosion: None	
Free Chlorine: -- ppm	Turbidity:		Deposition: None 0 in.	
Ammonia: -- ppm	Color:		Damage: None	
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		



o20110510122252.JPG

2011

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):		
Sampling Results			Condition Assessment	
Sample Location:	Floatables:		Graffiti: None	
Total Chlorine: -- ppm	Odor:		Erosion: None	
Free Chlorine: -- ppm	Turbidity:		Deposition: in.	
Ammonia: -- ppm	Color:		Damage: None	
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		



2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

11-376

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022094224.JPG

Outfall Notes:

Upstream manhole located approx 82 ft W of outfall 11-376. Intermediate area consists of open space in park.

County Coordinates:

Northing: 478,056

Easting: 797,422

Latitude/Longitude:

Latitude: 44.03094

Longitude: -88.52121



Inspection Date: 10/22/2018 9:45:12 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 82

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022094232.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-06

Time Collected: 09:43

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 55 °F

Conductivity (field): 575 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/17/2017 1:07:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 79		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.62 units</p> <p>Temperature: 67 °F</p> <p>Conductivity: 829 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20171017130258.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>


Inspection Date: 10/19/2016 7:46:56 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 79		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.89 units</p> <p>Temperature: 58 °F</p> <p>Conductivity: 357 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: Faint</p> <p>Turbidity: None</p> <p>Color: Faint in bottle</p> <p>Gross Solids: Severe</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Potential illicit discharge due to gross solids.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20161019074410.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/24/2015 9:10:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 81		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.88 units</p> <p>Temperature: 68 °F</p> <p>Conductivity: 397 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: Faint</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Severe</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20150924081150.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/9/2014 1:36:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 74		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.76 units</p> <p>Temperature: 59 °F</p> <p>Conductivity: 381 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: Faint in bottle</p> <p>Gross Solids: Severe</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20141009123616.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

Inspection Date: 10/4/2011 9:23:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes		
Submerged: Fully		Depth (in): 79	 o20111004092208.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0 ppm	Color:			None
pH:	7.76 units	Gross Solids:			Slight
Temperature	62 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			None
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 5/10/2011 12:23:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Fully		Depth (in):	 o20110510122336.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		
Sampling Results					
Sample Location:		Floatables:			None
Total Chlorine:	-- ppm	Odor:			
Free Chlorine:	-- ppm	Turbidity:			
Ammonia:	-- ppm	Color:			
pH:	-- units	Gross Solids:			Severe
Temperature	-- °F	Vegetation:			
Conductivity:	-- µS/cm	Benthic Growth:			
Detergents:	-- mg/L	Stains:			
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Fully		Depth (in): 81	 Osh09_DSCN6622.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			
Free Chlorine:	0 ppm	Turbidity:			
Ammonia:	-- ppm	Color:			
pH:	7.82 units	Gross Solids:			Severe
Temperature	76 °F	Vegetation:			
Conductivity:	-- µS/cm	Benthic Growth:			
Detergents:	0 mg/L	Stains:			
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181022095650.JPG

Outfall Notes:

Storm sewer from Washington Ave discharges to lake from west. Outfall not located - pipe info from MS4 map.

County Coordinates:

Northing: 473,370

Easting: 798,806

Latitude/Longitude:

Latitude: 44.01809

Longitude: -88.51594

Location Map



Inspection Date: 10/22/2018 9:59:38 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 11-512 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022095658.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 1:20:48 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not located - screened upstream at 11-512 US1. Floating gross solids (litter) in manhole.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	0		
Temperature -- °F	Vegetation:	0		
Conductivity: -- µS/cm	Benthic Growth:	0		
Detergents: -- mg/L	Stains:	0		
	Non-illicit:	0		
		Condition Assessment Graffiti: None Erosion: 0 Deposition: 0 in. Damage: None		



o20171017131910.JPG

2017

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-512

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022100108.JPG

Outfall Notes:

Upstream manhole located approx 34 ft SW of outfall 11-512. Intermediate area consists of open space.

County Coordinates:

Northing: 473,351

Easting: 798,773

Latitude/Longitude:

Latitude: 44.01804

Longitude: -88.51607



Inspection Date: 10/22/2018 10:00:30 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 42

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181022100114.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-49

Time Collected: 09:58

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.35 units


Temperature (field): 57 °F


Conductivity (field): 470 μS/cm


Detergents: 0 mg/L


Inspection Date: 10/17/2017 1:23:39 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 35																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.47 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>581 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.47 units	Temperature:	67 °F	Conductivity:	581 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Graffiti:	None																																					
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Deposition:	None in.																																					
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		 <p style="text-align: center;">o20171017131930.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>																																				


Inspection Date: 10/10/2016 11:07:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 35																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.63 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>514 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.63 units	Temperature:	65 °F	Conductivity:	514 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Potential illicit discharge due to gross solids.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		 <p style="text-align: center;">o20161010110444.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>																																				


Inspection Date: 9/22/2015 7:04:46 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 37																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.93 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>1055 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.93 units	Temperature:	65 °F	Conductivity:	1055 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		 <p style="text-align: center;">o20150922060832.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																				

Inspection Date: 10/9/2014 12:52:08 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 39																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.57 units</td></tr> <tr><td>Temperature:</td><td>62 °F</td></tr> <tr><td>Conductivity:</td><td>548 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.57 units	Temperature:	62 °F	Conductivity:	548 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		 <p style="text-align: center;">o20141009115024.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>																																				

Inspection Date: 9/27/2012 8:22:20 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 34	2011 gross solids follow-up.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>8.73 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>59 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>416 µS/cm</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Slight	pH:	8.73 units	Vegetation:	None	Temperature	59 °F	Benthic Growth:	Slight	Conductivity:	416 µS/cm	Stains:	Slight	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
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Conductivity:	416 µS/cm	Stains:	Slight																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120927072438.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																					

Inspection Date: 6/20/2012 8:24:06 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 40	Gross solids pre-screening.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	Severe	pH:	-- units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	Severe																																					
pH:	-- units	Vegetation:	None																																					
Temperature	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120620072408.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																					

Inspection Date: 10/3/2011 12:13:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 36	Significant floatable debris in manhole.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>7.39 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>67 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Severe	pH:	7.39 units	Vegetation:	None	Temperature	67 °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
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pH:	7.39 units	Vegetation:	None																																					
Temperature	67 °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																					
			 o20111003121302.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																					

Inspection Date: 5/10/2011 9:08:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in):	Limited screening conducted for upstream manhole prescreening.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td></td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:		Total Chlorine:	-- ppm	Turbidity:		Free Chlorine:	-- ppm	Color:		Ammonia:	-- ppm	Gross Solids:	Severe	pH:	-- units	Vegetation:		Temperature	-- °F	Benthic Growth:		Conductivity:	-- µS/cm	Stains:		Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:																																						
Total Chlorine:	-- ppm	Turbidity:																																						
Free Chlorine:	-- ppm	Color:																																						
Ammonia:	-- ppm	Gross Solids:	Severe																																					
pH:	-- units	Vegetation:																																						
Temperature	-- °F	Benthic Growth:																																						
Conductivity:	-- µS/cm	Stains:																																						
Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																					
			 o20110510090830.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																					

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):



o20181024092146.JPG

Outfall Notes:

Congress Ave storm sewer discharges to river from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 479,314

Easting: 786,529

Latitude/Longitude:

Latitude: 44.03438

Longitude: -88.56263

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/24/2018 9:23:56 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on nearby bridge abutment. Floating gross solids (litter) in MH.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: Moderate

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024092154.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 10:17:17 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on nearby bridge abutment. Floating gross solids (litter) in MH. Condition Assessment Graffiti: Minor Erosion: None Deposition: None in. Damage: None	 o20171018101412.JPG 2017

Inspection Date: 10/10/2016 1:26:15 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Graffiti on east bridge abutment. Outfall fully submerged and not located - screened upstream at 12-569 US1. Condition Assessment Graffiti: Minor Erosion: None Deposition: None in. Damage: None	 o20161010132600.JPG 2016

Inspection Date: 9/23/2015 11:06:02 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 12-569 US1. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None in. Damage: None	 o20150923100828.JPG 2015

Inspection Date: 10/7/2014 7:38:26 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on east abutment. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None in. Damage: None	 o20141007063712.JPG 2014


Inspection Date: 10/11/2011 1:49:07 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20111011134840.JPG

2011

Inspection Date: 8/19/2010 2:37:50 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100819143022.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-569

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024092314.JPG

Outfall Notes:

Upstream manhole located approx 48 ft ESE of outfall 12-569. Intermediate area consists of open space.

County Coordinates:

Northing: 479,306

Easting: 786,577

Latitude/Longitude:

Latitude: 44.03436

Longitude: -88.56245



Inspection Date: 10/24/2018 9:25:23 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 44

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024092322.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-41

Time Collected: 09:26

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.40 units


Temperature (field): 52 °F


Conductivity (field): 714 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/18/2017 10:20:25 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.44 units</p> <p>Temperature: 65 °F</p> <p>Conductivity: 1118 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20171018101542.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

Inspection Date: 10/10/2016 1:30:04 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 38		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.41 units</p> <p>Temperature: 69 °F</p> <p>Conductivity: 616 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: Slight cloudiness</p> <p>Color: Clearly visible in bottle</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Potential illicit discharge due to gross solids.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20161010132718.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/23/2015 11:06:51 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.5 units</p> <p>Temperature: 76 °F</p> <p>Conductivity: 441 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20150923101026.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/7/2014 7:39:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 34		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.66 units</p> <p>Temperature: 59 °F</p> <p>Conductivity: 771 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20141007063948.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>


Inspection Date: 10/11/2011 1:51:24 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 32	2010 screening follow-up. Floatable debris significantly reduced.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	None		
pH: 8.63 units	Gross Solids:	None		
Temperature 73 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	0 in.
		Damage:	None	



o20111011134946.JPG

2011


Inspection Date: 5/26/2011 2:40:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	0 in.
		Damage:	None	



o20110526144100.JPG

2011

Inspection Date: 8/19/2010 2:41:43 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 38	Severe floatable debris	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	Faint in bottle		
pH: 7.59 units	Gross Solids:	Severe		
Temperature 79 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	Slight		
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	0 in.
		Damage:	None	



o20100819143434.JPG

2010

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181024093346.JPG

Outfall Notes:

Algoma Blvd storm sewer discharges to Fox River from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 481,155

Easting: 785,844

Latitude/Longitude:

Latitude: 44.03942

Longitude: -88.56524

Location Map



Inspection Date: 10/24/2018 9:35:27 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 12-576 US1.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024093352.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 10:05:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-576 US1.	 o20171018100254.JPG 2017
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/10/2016 1:14:55 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-576 US1.	 o20161010131430.JPG 2016
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/23/2015 3:11:43 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located- screened at 12-576 US1	 o20150923141532.JPG 2015
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 10/9/2014 7:43:34 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-576 US1.	 o20141009064412.JPG 2014
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


Inspection Date: 8/19/2010 1:47:19 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																										
Submerged: Fully		Depth (in):	<div style="border: 1px solid black; padding: 5px;"> Outfall fully submerged and not physically located. Outfall screened upstream at 12-576 US1. </div>																										
Sampling Results			<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:			Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:
Sample Location:	Floatables:	None																											
Total Chlorine: -- ppm	Odor:	None																											
Free Chlorine: -- ppm	Turbidity:	None																											
Ammonia: -- ppm	Color:	None																											
pH: -- units	Gross Solids:	None																											
Temperature -- °F	Vegetation:	None																											
Conductivity: -- µS/cm	Benthic Growth:	None																											
Detergents: -- mg/L	Stains:	None																											
	Non-illicit:	None																											



o20100819133944.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																										
Submerged: Fully		Depth (in):	<div style="border: 1px solid black; padding: 5px;"> </div>																										
Sampling Results			<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:			Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:
Sample Location:	Floatables:	None																											
Total Chlorine: -- ppm	Odor:	None																											
Free Chlorine: -- ppm	Turbidity:	None																											
Ammonia: -- ppm	Color:	None																											
pH: -- units	Gross Solids:	None																											
Temperature -- °F	Vegetation:	None																											
Conductivity: -- µS/cm	Benthic Growth:	None																											
Detergents: -- mg/L	Stains:	None																											
	Non-illicit:	None																											



Osh09_DSCN6673.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-576

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024093500.JPG

Outfall Notes:

Upstream manhole located approx 52 ft ENE of outfall 12-576. Intermediate area consists of residential lawn area and shoreline.



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 481,123

Easting: 785,916

Latitude/Longitude:

Latitude: 44.03934

Longitude: -88.56496

Inspection Date: 10/24/2018 9:37:10 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 77

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024093506.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-20

Time Collected: 09:37

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.77 units

Temperature (field): 51 °F

Conductivity (field): 614 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/18/2017 10:08:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 69		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.94 units</p> <p>Temperature: 65 °F</p> <p>Conductivity: 650 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Slight</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 <p style="text-align: center;">o20171018100406.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>

Inspection Date: 10/10/2016 1:17:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 69		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.67 units</p> <p>Temperature: 67 °F</p> <p>Conductivity: 496 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: Slight</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 <p style="text-align: center;">o20161010131500.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>

Inspection Date: 9/23/2015 3:14:15 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 70		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 8.45 units</p> <p>Temperature: 75 °F</p> <p>Conductivity: 361 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Slight</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 <p style="text-align: center;">o20150923141608.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>

Inspection Date: 10/9/2014 7:46:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 66		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.38 units</p> <p>Temperature: 53 °F</p> <p>Conductivity: 663 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Floating gross solids (litter) inside manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 <p style="text-align: center;">o20141009064434.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>

Inspection Date: 8/19/2010 1:50:40 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes		
Submerged: Fully		Depth (in): 72	 o20100819134200.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0 ppm	Color:			Faint in bottle
pH:	7.85 units	Gross Solids:			None
Temperature	76 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			Moderate
Detergents:	0 mg/L	Stains:			Slight
		Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Fully		Depth (in): 68	 Osh09_DSCN6675.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	-- ppm	Color:			None
pH:	8.46 units	Gross Solids:			Severe
Temperature	69 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			None
		Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171018094806.JPG

Outfall Notes:

Storm sewer from Algoma Blvd and cemetery discharges to river from east.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,806

Easting: 784,550

Latitude/Longitude:

Latitude: 44.04669

Longitude: -88.57017

Inspection Date: 10/24/2018 9:50:34 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 12-1313 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181024095022.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

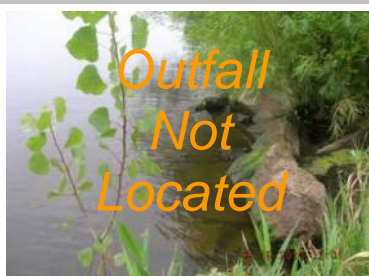
Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/18/2017 9:51:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 12-1313 US1.	 o20171018094812.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/10/2016 12:50:26 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 17		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Severe Stains: None Non-illicit: None	Notes Submerged depth estimated. Outfall partially submerged - screened upstream at 12-1313 US1.	 o20161010124844.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/23/2015 2:02:54 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 12-1313 US1.	 o20150923130558.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 8/19/2010 12:09:32 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 12-1313 US1.	 o20100819120152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-1313

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024095214.JPG

Outfall Notes:

Upstream catchbasin located approx 252 ft ENE of outfall 12-1313. Intermediate area consists of open space and cemetery road.



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,924

Easting: 784,749

Latitude/Longitude:

Latitude: 44.04702

Longitude: -88.56941

Inspection Date: 10/24/2018 9:53:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 20

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024095218.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-19

Time Collected: 09:54

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.42 units

Temperature (field): 53 °F

Conductivity (field): 762 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2017 9:55:58 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 12																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Sample collected from submerged pool in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.8 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>797 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.8 units	Temperature:	65 °F	Conductivity:	797 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		 o20171018095044.JPG <div style="font-size: 24pt; font-weight: bold;">2017</div>																																				

Inspection Date: 10/10/2016 12:53:53 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 13																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.42 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>759 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.42 units	Temperature:	67 °F	Conductivity:	759 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		 o20161010125134.JPG <div style="font-size: 24pt; font-weight: bold;">2016</div>																																				

Inspection Date: 9/23/2015 2:07:15 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 16																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.8 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>413 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.8 units	Temperature:	76 °F	Conductivity:	413 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		 o20150923130846.JPG <div style="font-size: 24pt; font-weight: bold;">2015</div>																																				

Inspection Date: 8/19/2010 12:12:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 15																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.38 units</td></tr> <tr><td>Temperature:</td><td>78 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.38 units	Temperature:	78 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Color:	Faint in bottle																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		 o20100819120420.JPG <div style="font-size: 24pt; font-weight: bold;">2010</div>																																				

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024103138.JPG

Outfall Notes:

Storm sewer from Fernau Ave and Walter St discharge to NE corner of detention basin.

County Coordinates:

Northing: 487,966

Easting: 784,069

Latitude/Longitude:

Latitude: 44.05810

Longitude: -88.57201

Location Map



Inspection Date: 10/24/2018 10:34:16 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Elevated pH in sample from trickle flow. No flow in upstream curb inlet at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Moderate

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024103144.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-81

Time Collected: 10:34

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 9.04 units

Temperature (field): 50 °F

Conductivity (field): 792 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment


Graffiti: None

Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/18/2017 9:40:26 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	Elevated pH in sample from trickle flow. No flow in upstream curb inlet at time of inspection.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 9.23 units	Gross Solids: None			
Temperature 65 °F	Vegetation: None			
Conductivity: 1563 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains:			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None in. Damage: None		


 o20171018093128.JPG
2017

Inspection Date: 10/10/2016 12:26:38 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	Elevated pH, but not as high as 2015 screening. Possible residual in upstream pipe.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 9.45 units	Gross Solids: None			
Temperature 64 °F	Vegetation: None			
Conductivity: 880 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None in. Damage: None		


 o20161010122036.JPG
2016

Inspection Date: 9/23/2015 12:56:15 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	White silty discharge. Chlorine patches turned yellow (not on scale). Elevated pH and conductivity.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 11.66 units	Gross Solids: Slight			
Temperature 73 °F	Vegetation: None			
Conductivity: 2470 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None in. Damage: None		


 o20150923115508.JPG
2015

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 48

Width (in): 76

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025093100.JPG

Outfall Notes:

Storm sewer from 9th Ave discharges to stream north of road. Upstream manhole not accessible.

County Coordinates:

Northing: 470,709

Easting: 783,680

Latitude/Longitude:

Latitude: 44.01077

Longitude: -88.57343

Location Map



Inspection Date: 10/26/2018 1:26:25 PM Inspector: KMK Inspection Type: Repeat Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Partially Depth (in): 26

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181025093132.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-41

Time Collected: 13:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 8.18 units

Temperature (field): 54 °F


Conductivity (field): 1183 µS/cm

Detergents: 0.4 mg/L


Inspection Date: 10/25/2018 9:33:47 AM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 26		
Sampling Results		Notes Downstream bank erosion. Sample collected from submerged flow in pipe. Detergent detected.		
Sample Location: Flow	Floatables: None	Condition Assessment Graziti: None Erosion: Moderate Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.16 units	Gross Solids: Slight			
Temperature 51 °F	Vegetation: None			
Conductivity: 1209 µS/cm	Benthic Growth: Moderate			
Detergents: 0.5 mg/L	Stains: None			
	Non-illicit: None			


o20181025093132.JPG
2018

Inspection Date: 6/13/2012 12:53:24 PM		Type: Ongoing	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
Sampling Results		Notes No flow leaving pool on apron. Downstream channel dry. Sample collected from apron pool.		
Sample Location: Pool	Floatables: None	Condition Assessment Graziti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness			
Ammonia: 0 ppm	Color: None			
pH: 7.91 units	Gross Solids: Slight			
Temperature 74 °F	Vegetation: None			
Conductivity: 1579 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


o20120613115412.JPG
2012

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 38		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graziti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness			
Ammonia: -- ppm	Color: None			
pH: 8.38 units	Gross Solids: None			
Temperature 66 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains:			
	Non-illicit: None			


Osh09_DSCN6503.JPG
2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20181024150404.JPG

Outfall Notes:

Storm sewer discharges to channel from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 463,926

Easting: 778,351

Latitude/Longitude:

Latitude: 43.99214

Longitude: -88.59366

Inspection Date: 10/24/2018 3:06:28 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Fully Depth (in): 24

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-1098 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024150410.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

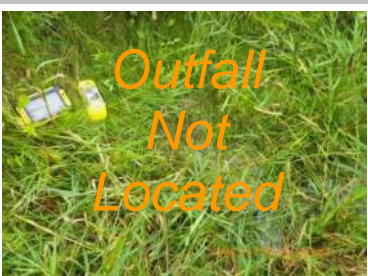
Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/19/2017 11:22:01 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 23		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.29 units Temperature: 65 °F Conductivity: 1404 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Sample collected from submerged flow at end of pipe. Photo not available. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 16 in. Damage: None	 Photo Not Available 2017

Inspection Date: 10/19/2016 3:04:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 13-1098 US1. End of pipe recently excavated. Condition Assessment Graffiti: None Erosion: None Deposition: Severe 16 in. Damage: None	 o20161019150326.JPG 2016

Inspection Date: 9/24/2015 3:10:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall not located - screened at 13-1098 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150924141536.JPG 2015

Inspection Date: 7/30/2013 7:57:44 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20130730070410.JPG 2013

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Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024150614.JPG

Outfall Notes:

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.

County Coordinates:

Northing: 463,823

Easting: 778,349

Latitude/Longitude:

Latitude: 43.99186

Longitude: -88.59366



Inspection Date: 10/24/2018 3:08:28 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 17

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181024150626.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-32

Time Collected: 15:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.27 units

Temperature (field): 56 °F

Conductivity (field): 1603 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2016 3:08:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 16		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.27 units Temperature: 67 °F Conductivity: 1550 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019150612.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 3:16:16 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 20		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.1 units Temperature: 70 °F Conductivity: 1386 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Trash around inlet grate, but none in storm sewer. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924141732.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 7/30/2013 8:33:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.4 units Temperature: 65 °F Conductivity: 1654 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None	
			 o20130730073636.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>	

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 13		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.09 units Temperature: 70 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 Osh09_DSCN6853.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20181025073030.JPG

Outfall Notes:

Storm sewer from Moreland St discharges to grassy wetland area west of stream.

County Coordinates:

Northing: 469,135

Easting: 782,585

Latitude/Longitude:

Latitude: 44.00645

Longitude: -88.57759

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/25/2018 7:32:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☒ Cracks/Structural Damage

o20181025073036.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 6/13/2012 1:08:33 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: None		Depth (in):																				
Sampling Results		Notes Pipe dry at time of inspection. Minor damage to top of pipe.																				
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor																				
		 <p>o20120613121044.JPG</p> <p>2012</p>																				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20181024123728.JPG

Outfall Notes:

Universal St storm sewer discharges to stream from east.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 461,358

Easting: 778,523

Latitude/Longitude:

Latitude: 43.98510

Longitude: -88.59299

Inspection Date: 10/24/2018 12:40:02 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Moderate

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from flow from end of pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☒ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam


o20181024123744.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-56

Time Collected: 12:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.22 units

Temperature (field): 55 °F

Conductivity (field): 1515 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: Minor Depth (in): 1


Damage: None

☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 11:10:14 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.32 units</td></tr> <tr><td>Temperature:</td><td>64 °F</td></tr> <tr><td>Conductivity:</td><td>1586 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.3 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.32 units	Temperature:	64 °F	Conductivity:	1586 µS/cm	Detergents:	0.3 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:		Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.32 units																																					
Temperature:	64 °F																																					
Conductivity:	1586 µS/cm																																					
Detergents:	0.3 mg/L																																					
Floatables:																																						
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Sample collected from flow from end of pipe.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 1 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	Minor 1 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Minor 1 in.																																					
Damage:	None																																					
				 o20171019110648.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/19/2016 2:54:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 2																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.3 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>1979 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.3 units	Temperature:	66 °F	Conductivity:	1979 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.3 units																																					
Temperature:	66 °F																																					
Conductivity:	1979 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Sample collected from area of concentrated flow immediately downstream from outfall.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20161019145234.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/24/2015 2:14:57 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.31 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1648 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.31 units	Temperature:	70 °F	Conductivity:	1648 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Detergents:	0 mg/L																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Notes Moderate flow into detention basin.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150924131716.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Inspection Date: 7/30/2013 6:33:19 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.38 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>1764 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.38 units	Temperature:	63 °F	Conductivity:	1764 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None
Sample Location:	Flow																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		Notes 																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 3 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	Minor 3 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Minor 3 in.																																					
Damage:	None																																					
				 o20130730053908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>																																		

Priority Outfall

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024115918.JPG

Outfall Notes:

Manhole located approx 17 ft S of pond outlet pipe (13-1716 US2). Pipe from car wash enters from east.

County Coordinates:

Northing: 465,789

Easting: 783,305

Latitude/Longitude:

Latitude: 43.99727

Longitude: -88.57484

Location Map



Inspection Date: 10/24/2018 12:03:17 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool near orifice on inlet pipe.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☒ Sulfur ☐ Fragrant

Turbidity:

Color: Dark/Black

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024115924.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-42

Time Collected: 12:03

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.34 units


Temperature (field): 51 °F


Conductivity (field): 514 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/18/2017 4:09:29 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes Sample collected from submerged flow near orifice on inlet pipe. Elevated ammonia in sample.		
Sample Location: Pool	Floatables:	Slight		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 3 ppm	Color:	Faint in bottle		
pH: 7.69 units	Gross Solids:	None		
Temperature 66 °F	Vegetation:	None		
Conductivity: 488 µS/cm	Benthic Growth:	Moderate		
Detergents: 0 mg/L	Stains:	Severe		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171018160304.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2017</div>		


Inspection Date: 10/19/2016 1:54:34 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results		Notes Sample collected from area where car wash pipe enters manhole.		
Sample Location: Flow	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	Cloudy		
Ammonia: 0 ppm	Color:	None		
pH: 7.91 units	Gross Solids:	None		
Temperature 67 °F	Vegetation:	None		
Conductivity: 649 µS/cm	Benthic Growth:	Slight		
Detergents: 0 mg/L	Stains:	Severe		
	Non-illicit:	Slight		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161019135400.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2016</div>		

Inspection Date: 9/24/2015 1:32:25 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results		Notes		
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	Clearly visible in bottl		
pH: 7.96 units	Gross Solids:	None		
Temperature 71 °F	Vegetation:	None		
Conductivity: 572 µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924123444.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2015</div>		

Inspection Date: 10/7/2014 12:25:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes		
Sample Location: Pool	Floatables:	Slight		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	Slight cloudiness		
Ammonia: 0 ppm	Color:	Faint in bottle		
pH: 8.1 units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: 618 µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	Severe		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141007112352.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2014</div>		

Inspection Date: 7/31/2013 12:07:12 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes		
Submerged: Partially		Depth (in): 2	 o20130731111022.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2013</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			Slight cloudiness
Ammonia:	1 ppm	Color:			None
pH:	7.81 units	Gross Solids:			None
Temperature	75 °F	Vegetation:			None
Conductivity:	632 µS/cm	Benthic Growth:			Slight
Detergents:	0 mg/L	Stains:			Moderate
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/27/2012 10:59:11 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Partially		Depth (in): 2	 o20120927100116.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			Slight cloudiness
Ammonia:	0 ppm	Color:			Faint in bottle
pH:	7.88 units	Gross Solids:			None
Temperature	64 °F	Vegetation:			None
Conductivity:	686 µS/cm	Benthic Growth:			Slight
Detergents:	0 mg/L	Stains:			Slight
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 6/12/2012 11:42:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Partially		Depth (in): 2	 o20120612104548.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</div>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			Cloudy
Ammonia:	3 ppm	Color:			Clearly visible in bottl
pH:	7.89 units	Gross Solids:			Slight
Temperature	64 °F	Vegetation:			None
Conductivity:	1011 µS/cm	Benthic Growth:			None
Detergents:	1.3 mg/L	Stains:			Moderate
		Non-illicit:	Moderate		
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024122300.JPG

Outfall Notes:

STH 44 storm sewer discharges to USH 41 right-of-way from west.

County Coordinates:

Northing: 462,715

Easting: 780,701

Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58472

Location Map



Inspection Date: 10/24/2018 12:25:28 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-1758 US1.

Floatables: Slight

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Moderate

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☒ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☒ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024122310.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/19/2017 10:43:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Outfall partially submerged - screened upstream at 13-1758 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None	
			 o20171019103654.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/19/2016 2:28:19 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: Easily detected Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 13-1758 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 13 in. Damage: None	
			 o20161019142738.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 1:57:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged - screened at 13-1758 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None	
			 o20150924125956.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/7/2014 11:57:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 26		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 13-1758 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None	
			 o20141007105524.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 7/30/2013 7:19:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results		Notes Oil containment booms still present in downstream pool. Outfall fully submerged. Screened upstream at 13-1758 US1.		
Sample Location:	Floatables:	Slight		
Total Chlorine: -- ppm	Odor:	Faint		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		



o20130730062618.JPG

2013

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024122538.JPG

Outfall Notes:

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,713

Easting: 780,659

Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58488

Inspection Date: 10/24/2018 12:27:39 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam



o20181024122546.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-53

Time Collected: 12:27

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.34 units

Temperature (field): 53 °F

Conductivity (field): 1379 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 10:48:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in):																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Sample collected from submerged pool in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Slight																					
Non-illicit:	None																					
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.79 units Temperature: 64 °F Conductivity: 1902 µS/cm Detergents: 0 mg/L		 o20171019104456.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																				

Inspection Date: 10/19/2016 2:33:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in): 24																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Concrete washout on ground near manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Moderate																					
Non-illicit:	None																					
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.72 units Temperature: 67 °F Conductivity: 1270 µS/cm Detergents: 0 mg/L		 o20161019143020.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																				

Inspection Date: 9/24/2015 2:02:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in): 22																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes No remaining evidence of former petroleum discharge. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	Slight
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Moderate																					
Non-illicit:	Slight																					
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.66 units Temperature: 72 °F Conductivity: 1138 µS/cm Detergents: 0 mg/L		 o20150924130406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																				

Inspection Date: 10/7/2014 12:02:49 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Partially		Depth (in): 22																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Floating gross solids (litter) in manhole. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Moderate																					
Non-illicit:	None																					
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.72 units Temperature: -- °F Conductivity: 1629 µS/cm Detergents: 0 mg/L		 o20141007110058.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																				

Inspection Date: 7/30/2013 7:22:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 27		
Sampling Results		Notes Petroleum odor still present. Slight sheen observed.		
Sample Location: Pool	Floatables:	Moderate		
Total Chlorine: 0 ppm	Odor:	Easily detected		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	None		
pH: 7.6 units	Gross Solids:	Slight		
Temperature 67 °F	Vegetation:	None		
Conductivity: 1071 µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	Severe		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20130730062844.JPG

2013

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 33

Width (in): 60

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024151708.JPG

Outfall Notes:

Storm sewer from Fox Tail Ln discharges to stream north of trail.

County Coordinates:

Northing: 467,262

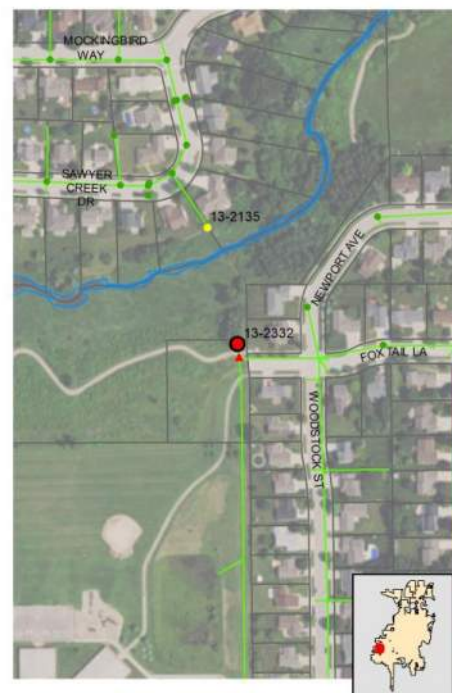
Easting: 774,586

Latitude/Longitude:

Latitude: 44.00128

Longitude: -88.60798

Location Map



Inspection Date: 10/24/2018 3:19:11 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 11

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 13-2332 US1. Detergent detected in upstream manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☒ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam



o20181024151710.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment


Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 6/12/2012 9:35:59 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 14		
Sampling Results		Notes		
Sample Location:		Outfall partially submerged; screened upstream at 13-2332 US1.		
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	None	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature:	-- °F	Gross Solids:	Slight	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	Moderate	
		Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20120612083850.JPG

2012

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results		Notes		
Sample Location:				
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	Faint	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature:	-- °F	Gross Solids:	None	
Conductivity:	-- µS/cm	Vegetation:		
Detergents:	-- mg/L	Benthic Growth:	Slight	
		Stains:		
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	8 in.	
		Damage:	None	



Osh09_DSCN6437.JPG

2009

Location Map



Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2331

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024151926.JPG

Outfall Notes:

Upstream catchbasin located approx 30 ft S of outfall 13-2332. Intermediate area consists of open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 467,230

Easting: 774,589

Latitude/Longitude:

Latitude: 44.00119

Longitude: -88.60797

Inspection Date: 10/26/2018 12:34:51 PM

Inspector: KMK

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024151936.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-61

Time Collected: 12:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.66 units


Temperature (field): 56 °F

Conductivity (field): 1082 µS/cm

Detergents: 0.35 mg/L

Inspection Date: 10/24/2018 3:21:30 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Sample collected from submerged pool in manhole. Detergent detected in sample. </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.56 units	Gross Solids: None			
Temperature 55 °F	Vegetation: None			
Conductivity: 1107 µS/cm	Benthic Growth: None			
Detergents: 0.3 mg/L	Stains: Slight			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181024151936.JPG 2018		

Inspection Date: 6/12/2012 9:45:08 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Sample collected from submerged pool in manhole. Detergent detected in sample. </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.64 units	Gross Solids: None			
Temperature 65 °F	Vegetation: None			
Conductivity: 982 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20120612084456.JPG 2012		

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> Sample collected from submerged pool in manhole. Detergent detected in sample. </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.04 units	Gross Solids: None			
Temperature 71 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: 0 mg/L	Stains:			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 Osh09_DSCN6440.JPG 2009		

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 34

Width (in): 53

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025074832.JPG

Outfall Notes:

Storm sewer from Maricopa Dr discharges to storm sewer in I-41 right-of-way behind fence.

County Coordinates:

Northing: 469,974

Easting: 781,189

Latitude/Longitude:

Latitude: 44.00874

Longitude: -88.58289

Location Map



Inspection Date: 10/25/2018 7:49:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Junction behind right-of-way fence.
Screened upstream at 13-2382 US2.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025074808.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025075020.JPG

Outfall Notes:

Upstream manhole located approx 105 ft WSW of outfall 13-2382. Intermediate area consists of street right-of-way.

County Coordinates:

Northing: 469,946

Easting: 781,106

Latitude/Longitude:

Latitude: 44.00867

Longitude: -88.58321

Location Map**Inspection Date:** 10/25/2018 7:52:31 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely**Notes:** Manhole dry at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025075036.JPG

2018**Sampling Results**

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20181024124534.JPG

Outfall Notes:

STH 44 curb inlets discharge to stream from south. Possible outfall pool located, but actual pipe not found. Encountered rock/riprap.

County Coordinates:

Northing: 461,228

Easting: 778,403

Latitude/Longitude:

Latitude: 43.98474

Longitude: -88.59345

Mapping Precison:

Mapping GPS

☒ Not Physically Located

Location Map



Inspection Date: 10/24/2018 12:47:24 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment wet, but no flow at time of inspection. Sample collected from pool immediately downstream of outfall.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024124544.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-68

Time Collected: 12:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.67 units

Temperature (field): 51 °F

Conductivity (field): 1681 µS/cm

Detergents: 0 mg/L

Inspection Date: 7/30/2013 6:46:29 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 12		
Sampling Results		Notes Outfall not positively identified. Outfall screened upstream at 13-2611 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 2 in. Damage: None		



o20130730055304.JPG

2013

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20181024124742.JPG

Outfall Notes:

STH 44 storm sewer discharges to stream from west.

Location Map



Mapping Precision:

☐ Not Physically Located

County Coordinates:

Northing: 461,213

Easting: 778,377

Latitude/Longitude:

Latitude: 43.98470

Longitude: -88.59355

Inspection Date: 10/24/2018 12:49:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow in pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☒ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20181024124806.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-65

Time Collected: 12:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

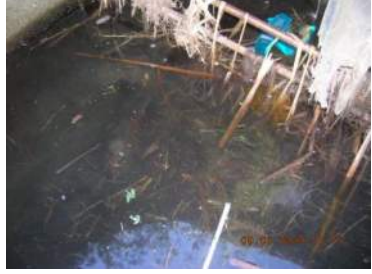
pH (field): 7.47 units

Temperature (field): 52 °F

Conductivity (field): 1047 µS/cm

Detergents: 0 mg/L

Inspection Date: 7/30/2013 6:54:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 13-2613 US1.		
Sample Location: --- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None		 <p style="text-align: center;">o20130730060140.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>		

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results		Notes Thick layer of grass clippings in pipe and pool.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.77 units Temperature: 69 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: --- Benthic Growth: Slight Stains: --- Non-illicit: None		 <p style="text-align: center;">Osh09_DSCN6430.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>		

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181024125916.JPG

Outfall Notes:

Storm sewer from Atlas Ave discharges to swale from south.

County Coordinates:

Northing: 461,555

Easting: 775,797

Latitude/Longitude:

Latitude: 43.98563

Longitude: -88.60335

Location Map



Inspection Date: 10/24/2018 1:01:16 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-2822 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☒ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024125924.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181024130216.JPG

Outfall Notes:

Upstream curb inlet located approx 42 ft S of outfall 13-2822. Intermediate area consists of road right-of-way.

County Coordinates:

Northing: 461,513

Easting: 775,798

Latitude/Longitude:

Latitude: 43.98552

Longitude: -88.60335



Inspection Date: 10/24/2018 1:04:01 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 7

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024130224.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-95

Time Collected: 13:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.71 units

Temperature (field): 54 °F

Conductivity (field): 1446 µS/cm

Detergents: 0 mg/L

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20181024131820.JPG

Outfall Notes:

Global Pkwy storm sewer discharges to detention basin via grass swale.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 460,783

Easting: 773,179

Latitude/Longitude:

Latitude: 43.98351

Longitude: -88.61329

Location Map



Inspection Date: 10/24/2018 1:20:29 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment wet, but no collectable flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024131832.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 5

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 7/30/2013 10:43:10 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:		Apron sediment wet, but no collectable flow at time of inspection.		
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	None	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature	-- °F	Gross Solids:	None	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	Slight	
		Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	Minor	2 in.
		Damage:	None	



o20130730095052.JPG

2013

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):



o20181024132128.JPG

Outfall Notes:

Atlas Ave storm sewer discharges to detention basin via grass swale.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 460,771

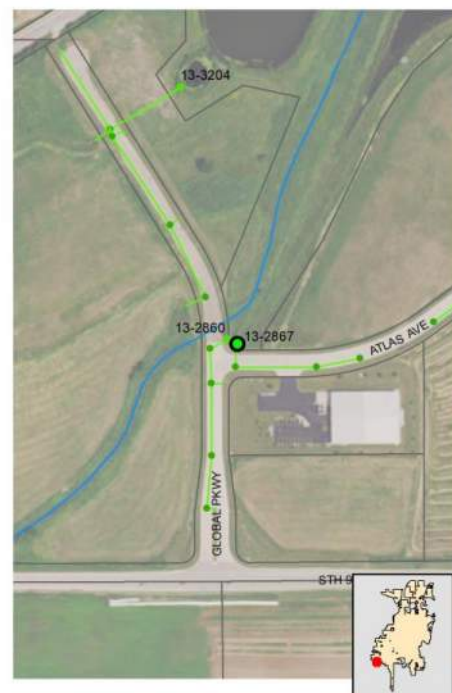
Easting: 773,202

Latitude/Longitude:

Latitude: 43.98347

Longitude: -88.61320

Location Map



Inspection Date: 10/24/2018 1:23:34 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment wet, but no collectable flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024132138.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 7/30/2013 10:38:11 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:		Apron sediment wet, but no collectable flow at time of inspection.		
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	None	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature	-- °F	Gross Solids:	None	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	Slight	
		Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130730094434.JPG

2013

Non-Priority Non-Major Outfall

Location Map

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20181024130750.JPG

Outfall Notes:

Atlas Ave storm sewer discharges to detention basin via swale.

Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 461,184

Easting: 774,130

Latitude/Longitude:

Latitude: 43.98461

Longitude: -88.60968

Inspection Date: 10/24/2018 1:11:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 7

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-2872a US1. 3" joint displacement.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Severe

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024130804.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor ☒ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 7/30/2013 10:24:54 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 13-2872a US1.		
Sample Location:	Floatables:	Moderate		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20130730092830.JPG

2013

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2872

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024131134.JPG

Outfall Notes:

Upstream curb inlet located approx 11 ft SE of outfall 13-2872a. Intermediate area consists of street right-of-way.



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 461,174

Easting: 774,134

Latitude/Longitude:

Latitude: 43.98458

Longitude: -88.60966

Inspection Date: 10/24/2018 1:14:10 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024131148.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-39

Time Collected: 13:11

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.38 units

Temperature (field): 56 °F

Conductivity (field): 1564 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 7/30/2013 10:26:40 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 4		
Sampling Results		Notes		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.68 units	Gross Solids:	None	
Temperature:	72 °F	Vegetation:	None	
Conductivity:	711 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130730093414.JPG

2013

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20181024140834.JPG

Outfall Notes:

Detention basin discharges to stream from east.

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 462,059

Easting: 773,748

Latitude/Longitude:

Latitude: 43.98701

Longitude: -88.61113

Location Map



Inspection Date: 10/24/2018 2:11:35 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Partially Depth (in): 5

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow in pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024140844.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-27

Time Collected: 14:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.19 units

Temperature (field): 53 °F

Conductivity (field): 554 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Box

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 36

Width (in): 60

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025131742.JPG

Outfall Notes:

Storm sewer from South Park Ave discharges to detention basin from west. Outlet structure reconstructed before 2018 screening.

County Coordinates:

Northing: 469,054

Easting: 787,980

Latitude/Longitude:

Latitude: 44.00624

Longitude: -88.55708

Location Map



Inspection Date: 10/25/2018 1:17:00 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall inaccessible - screened upstream at 13-2957 US1a.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181025131742.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/19/2016 1:42:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
Sampling Results		Notes Outfall partially submerged - screened upstream at 13-2957 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	Cloudy		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161019134018.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2016</div>		

Inspection Date: 9/24/2015 1:12:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 17		
Sampling Results		Notes Outfall partially submerged - screened at 13-2957 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	Cloudy		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924121536.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2015</div>		

Inspection Date: 6/12/2012 1:30:43 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 21		
Sampling Results		Notes Outfall partially submerged; screened upstream at 13-2957 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: Minor Erosion: None Deposition: None in. Damage: None		
		 o20120612123258.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2012</div>		

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 16		
Sampling Results		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 Osh09_DSCN6483.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2009</div>		

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025131944.JPG

Outfall Notes:

Upstream manhole located approx 95 ft W of outfall 13-2957. Constructed before 2018 screening.

County Coordinates:

Northing: 469,063

Easting: 787,886

Latitude/Longitude:

Latitude: 44.00626

Longitude: -88.55744

Inspection Date: 10/25/2018 1:21:51 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 72

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025131952.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-21

Time Collected: 13:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.81 units

Temperature (field): 56 °F

Conductivity (field): 1178 µS/cm

Detergents: 0 mg/L

Location Map



Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-2957

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019134240.JPG

Outfall Notes:

Upstream manhole located approx 57 ft W of outfall 13-2957. Intermediate area consists of open space in park.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 469,054

Easting: 787,925

Latitude/Longitude:

Latitude: 44.00623

Longitude: -88.55729

Inspection Date: 10/19/2016 1:45:38 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 22

Illicit Discharge Potential: Unlikely

Notes:

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: Slight cloudiness

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20161019134250_1.JPG

2016

Sampling Results

Sample Location: Flow

Sample ID: 161019-76

Time Collected: 13:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.98 units


Temperature (field): 65 °F

Conductivity (field): 1234 µS/cm

Detergents: 0 mg/L

Inspection Date: 9/24/2015 1:16:09 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.95 units Temperature: 70 °F Conductivity: 1305 µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: Cloudy Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Photo not available.	 Photo Not Available 2015
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 6/12/2012 1:36:29 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 23		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.35 units Temperature: 71 °F Conductivity: 1336 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes	 o20120612123728.JPG 2012
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.1 units Temperature: 66 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes	 Osh09_DSCN6486.JPG 2009
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 48

Height/Depth (in):

Width (in):



o20181024132624.JPG

Outfall Notes:

Global Pkwy storm sewer discharges to SW corner of detention basin.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 461,402

Easting: 773,075

Latitude/Longitude:

Latitude: 43.98520

Longitude: -88.61369

Location Map



Inspection Date: 10/24/2018 1:28:57 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-3204 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024132710.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment


Graffiti: None

Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 7/30/2013 10:52:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 1		
Sampling Results		Notes		
Sample Location:	Floatables:	Outfall partially submerged. Outfall screened upstream at 13-3204 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


 o20130730095856.JPG
2013

Inspection Date: 9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results		Notes		
Sample Location:	Floatables:			
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		


 Osh09_DSCN6407.JPG
2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3204

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024132922.JPG

Outfall Notes:

Upstream manhole located approx 202 ft SW of outfall 13-3204. Intermediate area consists of street right-of-way and grassy vacant lot.

County Coordinates:

Northing: 461,301

Easting: 772,900

Latitude/Longitude:

Latitude: 43.98493

Longitude: -88.61435



Inspection Date: 10/24/2018 1:32:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024132936.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-01

Time Collected: 13:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.76 units

Temperature (field): 53 °F

Conductivity (field): 762 µS/cm

Detergents: 0 mg/L

Inspection Date: 7/30/2013 11:00:01 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:		Manhole dry and clean at time of inspection.		
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	None	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature:	-- °F	Gross Solids:	None	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	None	
		Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130730100236.JPG

2013

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20181024140304.JPG

Outfall Notes:

Detention basin discharges to stream from west.

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 461,931

Easting: 773,640

Latitude/Longitude:

Latitude: 43.98666

Longitude: -88.61155

Location Map



Inspection Date: 10/24/2018 2:05:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from flow from pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024140308.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-07

Time Collected: 14:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.46 units

Temperature (field): 54 °F

Conductivity (field): 505 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024153556.JPG

Outfall Notes:

Storm sewer from Oakwood Rd discharges to stream from south.

County Coordinates:

Northing: 469,762

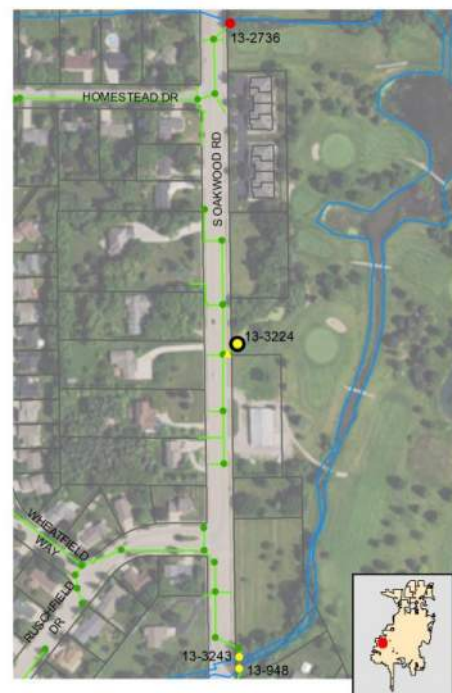
Easting: 775,919

Latitude/Longitude:

Latitude: 44.00814

Longitude: -88.60292

Location Map



Inspection Date: 10/24/2018 3:38:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 18

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-3224 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024153602.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 6/11/2012 11:04:58 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 13-3224 US1.		
Sample Location:	Floatables:	Slight		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	Slight		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120611100546.JPG

2012

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3224

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024153758.JPG

Outfall Notes:

Upstream curb inlet located approx 35 ft SW of outfall 13-3224. Intermediate area consists of street right-of-way.

County Coordinates:

Northing: 469,738

Easting: 775,895

Latitude/Longitude:

Latitude: 44.00808

Longitude: -88.60302

Location Map**Inspection Date:** 10/24/2018 3:40:08 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Slight

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☒ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024153804.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181024-78

Time Collected: 15:38

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.48 units

Temperature (field): 54 °F

Conductivity (field): 956 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/11/2012 11:13:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 18		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.28 units	Gross Solids: Slight			
Temperature: 71 °F	Vegetation: None			
Conductivity: 1148 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



o20120611101304.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 29

Width (in): 45

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024144038.JPG

Outfall Notes:

Oakwood Rd storm sewer discharges to SE corner of detention basin.

County Coordinates:

Northing: 463,215

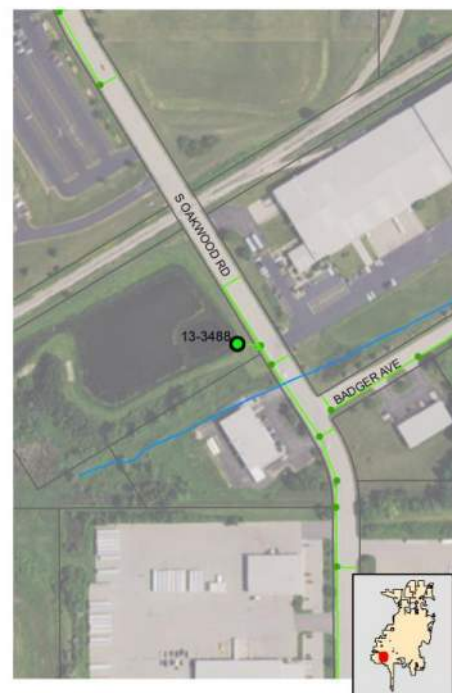
Easting: 776,270

Latitude/Longitude:

Latitude: 43.99019

Longitude: -88.60156

Location Map



Inspection Date: 10/24/2018 2:42:24 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 22

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - outfall screened upstream at 13-3488 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024144042.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 7/30/2013 9:27:18 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in): 16																				
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 13-3488 US1.																				
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Slight																					
Non-illicit:	None																					
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																				



o20130730083416.JPG

2013

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-3488

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024144156.JPG

Outfall Notes:

Upstream manhole located approx 53 ft E of outfall 13-3488. Intermediate area consists of street right-of-way.

County Coordinates:

Northing: 463,207

Easting: 776,323

Latitude/Longitude:

Latitude: 43.99017

Longitude: -88.60136



Inspection Date: 10/24/2018 2:44:03 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 20

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024144200.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-93

Time Collected: 14:43

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.53 units

Temperature (field): 55 °F

Conductivity (field): 1815 µS/cm

Detergents: 0 mg/L

Inspection Date: 7/30/2013 9:30:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																																
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																		
Submerged: Partially		Depth (in): 14																																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td>Pool</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.96 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>938 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> <p>Notes</p> <div style="border: 1px solid black; height: 80px; margin-top: 5px;"></div> <p>Condition Assessment</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti:</td> <td>None</td> <td style="width: 50%;"></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table> </div> </div>					Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.96 units	Gross Solids:	None	Temperature:	71 °F	Vegetation:	None	Conductivity:	938 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None		Erosion:	None		Deposition:	None	in.	Damage:	None	
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			 <p style="text-align: center;">o20130730083650.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>																																																	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 66

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025072216.JPG

Outfall Notes:

Storm sewer from Koeller St and Menard Dr discharges to west side of detention basin.

County Coordinates:

Northing: 468,701

Easting: 782,214

Latitude/Longitude:

Latitude: 44.00525

Longitude: -88.57900

Location Map



Inspection Date: 10/26/2018 12:50:27 PM

Inspector: KMK

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: Slight

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☒ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025072226.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-17

Time Collected: 12:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 56 °F

Conductivity (field): 1745 µS/cm

Detergents: 0.85 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/25/2018 7:24:13 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.94 units</td></tr> <tr><td>Temperature:</td><td>49 °F</td></tr> <tr><td>Conductivity:</td><td>1865 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.45 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.94 units	Temperature:	49 °F	Conductivity:	1865 µS/cm	Detergents:	0.45 mg/L	Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
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				 o20181025072226.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

Inspection Date: 10/18/2017 4:20:44 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 1																																				
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				 o20171018161638.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/19/2016 3:20:01 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
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				 o20161019151808.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/28/2015 10:08:12 AM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.07 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>455 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.07 units	Temperature:	70 °F	Conductivity:	455 µS/cm	Detergents:	0 mg/L	Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
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				 o20150928090940.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):



o20181022123452.JPG

Outfall Notes:

W. 28th Ave storm sewer discharges to stream from west.

County Coordinates:

Northing: 462,013

Easting: 793,247

Latitude/Longitude:

Latitude: 43.98693

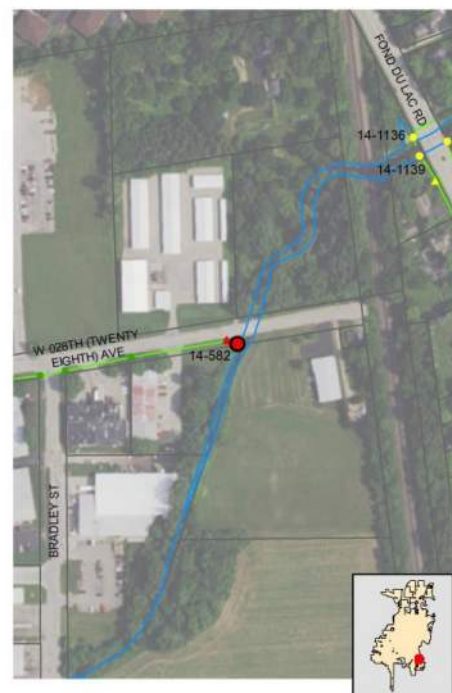
Longitude: -88.53705

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/22/2018 12:38:55 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 14-582 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Severe

Stains: Slight

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☒ Green ☐ Brown

☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

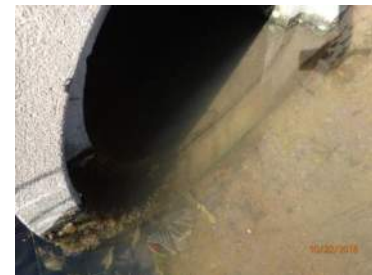
☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181022123600.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2017 12:59:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-582 US1.	 o20171018125442.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/19/2016 12:51:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Moderate Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-582 US1.	 o20161019124922.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/24/2015 12:34:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Outfall partially submerged - screened at 14-582 US1.	 o20150924113630.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/7/2014 1:07:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Severe Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-582 US1.	 o20141007120544.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	


Inspection Date: 7/31/2013 10:23:22 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 11			Outfall partially submerged. Outfall screened upstream at 14-582 US1.	
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20130731092642.JPG

2013


Inspection Date: 9/27/2012 11:43:23 AM		Type: Repeat	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 6			Gel-like sheen on surface of stream. Outfall partially submerged; additional screening upstream at 14-582 US7.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	None		
pH: 7.77 units	Gross Solids:	None		
Temperature 64 °F	Vegetation:	None		
Conductivity: 1077 µS/cm	Benthic Growth:	Moderate		
Detergents: 0 mg/L	Stains:	Severe		
	Non-illicit:	None		
		Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120927103918.JPG

2012


Inspection Date: 9/5/2012 11:52:00 AM		Type: Complaint	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 12			Dark black substance in water around outfall and bridge. Sample collected from stream.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	Noticeable from a dist		
Free Chlorine: 0 ppm	Turbidity:	Cloudy		
Ammonia: 0 ppm	Color:	Clearly visible in flow		
pH: 75 units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: 1419 µS/cm	Benthic Growth:	Moderate		
Detergents: 0 mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120905105212.JPG


2012


Inspection Date: 6/20/2012 12:02:16 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 12			Outfall partially submerged; screened upstream at 14-582 US7.	
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti: None Erosion: None Deposition: None in. Damage: None		




o20120620110152.JPG

2012

Inspection Date: 10/5/2011 12:26:00 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Condition Assessment Graffiti: _____ Erosion: _____ Deposition: in. Damage: _____	
 o20111005122620.JPG <div style="font-size: 24pt; font-weight: bold;">2011</div>				

Inspection Date: 5/26/2011 12:21:00 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: Pool Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: _____ Odor: Noticeable from a dist Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: _____	Condition Assessment Graffiti: _____ Erosion: _____ Deposition: in. Damage: _____	
 o20110526112114.jpg <div style="font-size: 24pt; font-weight: bold;">2011</div>				

Inspection Date: 5/12/2011 1:03:00 PM		Type: Complaint	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes Responded to complaint about discharge from pipe. Outfall partially submerged. Yellow pool at end of pipe. Chemical smell inside pipe.	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: Pool Total Chlorine: 2 ppm Free Chlorine: 2 ppm Ammonia: 2 ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: _____ Odor: Noticeable from a dist Turbidity: _____ Color: Clearly visible in flow Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Condition Assessment Graffiti: _____ Erosion: _____ Deposition: in. Damage: _____	
 o20110512133142.jpg <div style="font-size: 24pt; font-weight: bold;">2011</div>				

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

14-582

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181022123918.JPG

Outfall Notes:

Upstream manhole located approx 27 ft WNW of outfall 14-582. Intermediate area consists of street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,023

Easting: 793,221

Latitude/Longitude:

Latitude: 43.98696

Longitude: -88.53715

Inspection Date: 10/22/2018 12:42:16 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☒ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181022123926.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181022-44

Time Collected: 12:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.03 units

Temperature (field): 58 °F

Conductivity (field): 1580 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2017 1:06:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.52 units</p> <p>Temperature: 67 °F</p> <p>Conductivity: 1945 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20171018130134.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

Inspection Date: 10/19/2016 12:54:50 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 4		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Flow</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.65 units</p> <p>Temperature: 65 °F</p> <p>Conductivity: 1620 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Slight</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20161019125222.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/24/2015 12:40:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.38 units</p> <p>Temperature: 72 °F</p> <p>Conductivity: 780 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: None</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20150924114134.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/7/2014 1:11:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.73 units</p> <p>Temperature: -- °F</p> <p>Conductivity: 1481 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: Slight</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>No flow at 14-582 US7 (Hydrite lateral).</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20141007120930.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

Inspection Date: 7/31/2013 10:27:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Unlikely		Inspector: JCW																																														
Submerged: Partially		Depth (in): 5																																														
<div> <div> Sampling Results <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>Slight</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.52 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>72 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1403 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div> Notes </div> <div> Condition Assessment <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table> </div> </div>					Sample Location:	Pool	Floatables:	Slight	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.52 units	Gross Solids:	None	Temperature:	72 °F	Vegetation:	None	Conductivity:	1403 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	Slight			Non-illicit:	None	Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Sample Location:	Pool	Floatables:	Slight																																													
Total Chlorine:	0 ppm	Odor:	None																																													
Free Chlorine:	0 ppm	Turbidity:	None																																													
Ammonia:	0 ppm	Color:	None																																													
pH:	7.52 units	Gross Solids:	None																																													
Temperature:	72 °F	Vegetation:	None																																													
Conductivity:	1403 µS/cm	Benthic Growth:	None																																													
Detergents:	0 mg/L	Stains:	Slight																																													
		Non-illicit:	None																																													
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None in.																																															
Damage:	None																																															
				 <p>o20130731093036.JPG</p> <p>2013</p>																																												

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 48

Height/Depth (in):

Width (in):



o20181022130142.JPG

Outfall Notes:

Hughes St storm sewer discharges to stream from north.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,824

Easting: 791,411

Latitude/Longitude:

Latitude: 43.98915

Longitude: -88.54403

Location Map



Inspection Date: 10/22/2018 1:04:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow at end of pipe. 4" joint displacement.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam


o20181022130156.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181022-54

Time Collected: 13:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.62 units

Temperature (field): 57 °F

Conductivity (field): 811 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: Minor Depth (in): 1


Damage: Moderate ☒ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 11:55:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 2																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.1 units</td></tr> <tr><td>Temperature:</td><td>62 °F</td></tr> <tr><td>Conductivity:</td><td>725 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.1 units	Temperature:	62 °F	Conductivity:	725 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	Notes Upstream manhole dry - sample collected from submerged pool at end of pipe. 3" joint displacement and damaged concrete.	
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.1 units																																					
Temperature:	62 °F																																					
Conductivity:	725 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>Moderate</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	Moderate	 o20171019115316.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	Moderate																																					

Inspection Date: 10/19/2016 1:11:20 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.24 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>765 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.24 units	Temperature:	65 °F	Conductivity:	765 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	Notes Last pipe segment displaced 4" at joint.	
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.24 units																																					
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		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>Minor</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	Minor	 o20161019130908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	Minor																																					

Inspection Date: 9/24/2015 12:55:30 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.17 units</td></tr> <tr><td>Temperature:</td><td>72 °F</td></tr> <tr><td>Conductivity:</td><td>1595 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.17 units	Temperature:	72 °F	Conductivity:	1595 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	Notes 4" joint displacement.	
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.17 units																																					
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Detergents:	0 mg/L																																					
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Vegetation:	None																																					
Benthic Growth:	None																																					
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Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	Moderate																																					

Inspection Date: 7/31/2013 7:27:16 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.05 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>1865 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.05 units	Temperature:	71 °F	Conductivity:	1865 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None	Notes End section displaced 4".	
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.05 units																																					
Temperature:	71 °F																																					
Conductivity:	1865 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>Minor</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	Minor	 o20130731063036.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	Minor																																					

Inspection Date: 9/4/2009		Type: Initial		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>Osh09_DSCN6570.JPG</p> <p>2009</p>	
Submerged: Partially		Depth (in): 1		End section of pipe separated.			
Sampling Results		Floatables:		None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: 7.82 units		Vegetation:					
Temperature 73 °F		Benthic Growth:		Slight			
Conductivity: -- µS/cm		Stains:					
Detergents: 0 mg/L		Non-illicit:		None			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181022124754.JPG

Outfall Notes:

Swale on south side of Waukau Ave discharges to railroad right-of-way via 24" CMP culvert.

County Coordinates:

Northing: 459,943

Easting: 792,565

Latitude/Longitude:

Latitude: 43.98125

Longitude: -88.53964

Location Map



Inspection Date: 10/22/2018 12:50:30 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment in pipe damp, but no flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam


o20181022124802.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

Deposition: Moderate Depth (in): 11

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2017 1:17:40 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Dry railroad ballast inside pipe. No flow observed at time of inspection.	 o20171018131410.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 11 in. Damage: None		

Inspection Date: 10/19/2016 12:41:44 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Corrugations wet, but no flow. 10" of stone in end of pipe. RR ties obstructing end.	 o20161019124104.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		

Inspection Date: 9/24/2015 12:22:34 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Partially filled with stone.	 o20150924112622.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20181025123000.JPG

Outfall Notes:

Storm sewer from W Murdock Ave discharges to SW corner of detention basin. MS4 mapping does not show distinction from 15-146.

County Coordinates:

Northing: 481,232

Easting: 792,363

Latitude/Longitude:

Latitude: 44.03965

Longitude: -88.54045

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/25/2018 12:32:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow at end of pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025123012.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181025-87

Time Collected: 12:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.66 units

Temperature (field): 57 °F

Conductivity (field): 1700 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 1:49:54 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results Sample Location: _____ Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.77 units Temperature: 66 °F Conductivity: 1690 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Notes Sample collected from submerged flow at end of pipe.	 o20171019134748.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/19/2016 12:09:41 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.57 units Temperature: 66 °F Conductivity: 1099 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Sample collected from concentrated flow in outfall pool.	 o20161019120708.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/24/2015 8:10:48 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.99 units Temperature: 67 °F Conductivity: 1153 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Construction and traffic prevented screening at US1. Sample collected from outfall pool.	 o20150924071336.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/6/2011 2:30:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: Moderate	Notes Outfall partially submerged. Outfall screened upstream at 15-143 US1.	 o20111006142826.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Inspection Date: 5/12/2011 12:43:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results		Notes		
Sample Location:		Outfall partially submerged.		
Total Chlorine: -- ppm		Outfall screened upstream at 15-143 US1.		
Free Chlorine: -- ppm				
Ammonia: -- ppm				
pH: -- units				
Temperature -- °F		Condition Assessment		
Conductivity: -- µS/cm		Graffiti: None		
Detergents: -- mg/L		Erosion: None		
Floatables:		Deposition: None 0 in.		
Odor:		Damage: None		
Turbidity:				
Color:				
Gross Solids:				
Vegetation:				
Benthic Growth:				
Stains:				
Non-illicit:		None		



o20110512124336.JPG

2011

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20181025123740.JPG

Outfall Notes:

Storm sewer from W Murdock Ave discharges to SW corner of detention basin.

County Coordinates:

Northing: 481,251

Easting: 792,398

Latitude/Longitude:

Latitude: 44.03970

Longitude: -88.54032

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/25/2018 12:40:18 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow at end of pipe.

Floatables: None

Odor: Easily detected

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☒ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☒ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20181025123750.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181025-14

Time Collected: 12:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.84 units


Temperature (field): 57 °F


Conductivity (field): 1613 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2017 1:56:32 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location:</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.83 units</p> <p>Temperature: 66 °F</p> <p>Conductivity: 1297 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Moderate</p> <p>Stains: Moderate</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged flow at end of pipe.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20171019135446.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

Inspection Date: 10/19/2016 12:14:54 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Flow</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.6 units</p> <p>Temperature: 65 °F</p> <p>Conductivity: 1026 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Slight</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: Moderate</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from concentrated flow in outfall pool.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20161019121322.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/24/2015 8:19:03 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location:</p> <p>Total Chlorine: -- ppm</p> <p>Free Chlorine: -- ppm</p> <p>Ammonia: -- ppm</p> <p>pH: -- units</p> <p>Temperature: -- °F</p> <p>Conductivity: -- µS/cm</p> <p>Detergents: -- mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: Easily detected</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: Moderate</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Outfall partially submerged - screened at 15-146 US1.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p> </div> </div>		
				 o20150924072144.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/6/2011 2:26:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location:</p> <p>Total Chlorine: -- ppm</p> <p>Free Chlorine: -- ppm</p> <p>Ammonia: -- ppm</p> <p>pH: -- units</p> <p>Temperature: -- °F</p> <p>Conductivity: -- µS/cm</p> <p>Detergents: -- mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: None</p> <p>Gross Solids: Slight</p> <p>Vegetation: None</p> <p>Benthic Growth: Moderate</p> <p>Stains: Slight</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Outfall partially submerged. Outfall screened upstream at 15-146 US1.</p> </div> <div> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None 0 in.</p> <p>Damage: None</p> </div> </div>		
				 o20111006142544.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>

Inspection Date: 5/12/2011 12:38:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 15-146 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20110512123858.JPG

2011

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20181025121520.JPG

Outfall Notes:

N Main St storm sewer discharges to stream from west.

County Coordinates:

Northing: 488,726

Easting: 793,062

Latitude/Longitude:

Latitude: 44.06021

Longitude: -88.53780

Mapping Precison:

Mapping GPS

☒ Not Physically Located

Location Map



Inspection Date: 10/25/2018 12:17:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 15-1093 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025121522.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/19/2017 2:32:42 PM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall fully submerged and not located - screened upstream at 15-1093 US1.		 o20171019143036.JPG	
Submerged: Fully		Depth (in):					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2017	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							


Inspection Date: 9/24/2015 7:09:54 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged - screened at 15-1093 US1.		 o20150924061136.JPG	
Submerged: Partially		Depth (in): 14					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 6 in. Damage: None		2015	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 10/9/2014 1:54:00 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged - screened upstream at 15-1093 US1.		 o20141009125326.JPG	
Submerged: Partially		Depth (in): 9					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2014	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 10/6/2011 8:44:09 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.		 o20111006084300.JPG	
Submerged: Partially		Depth (in): 9					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor		2011	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 5/26/2011 9:18:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
 o20110526091844.JPG <div style="font-size: 24pt; font-weight: bold;">2011</div>				

Inspection Date: 8/26/2010 2:56:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Submerged: Partially Depth (in): 7				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	
 o20100826144742.JPG <div style="font-size: 24pt; font-weight: bold;">2010</div>				

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Submerged: Partially Depth (in): 7				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: Faint Turbidity: Cloudy Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	
 Osh09_DSCN6359.JPG <div style="font-size: 24pt; font-weight: bold;">2009</div>				

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1093

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181025121656.JPG

Outfall Notes:

Upstream manhole located approx 88 ft SSW of outfall 15-1093. Intermediate area consists of Main Street and right-of-way.



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 488,645

Easting: 793,028

Latitude/Longitude:

Latitude: 44.05998

Longitude: -88.53793

Inspection Date: 10/25/2018 12:18:47 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 5

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025121704.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181025-80

Time Collected: 12:16

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.12 units

Temperature (field): 57 °F

Conductivity (field): 1046 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):


Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/19/2017 2:34:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results Sample Location: _____ Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.94 units Temperature: 66 °F Conductivity: 836 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes: _____ Sample collected from submerged pool in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				 o20171019143218.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>


Inspection Date: 9/24/2015 7:18:21 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.75 units Temperature: 68 °F Conductivity: 1510 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		
		Notes: _____		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				 o20150924061936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/9/2014 2:01:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.87 units Temperature: 60 °F Conductivity: 2030 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		
		Notes: _____		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 3 in. Damage: None		
				 o20141009125920.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

Inspection Date: 10/6/2011 8:54:57 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 4		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.54 units Temperature: 65 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		
		Notes: _____		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
				 o20111006085240.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>

Inspection Date: 5/26/2011 9:17:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Limited screening conducted for upstream manhole prescreening.	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
 o20110526091718.JPG 2011				

Inspection Date: 8/26/2010 2:49:55 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 	
Submerged: Partially Depth (in): 2				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.95 units Temperature: 79 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
 o20100826144124.JPG 2010				

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Ammonia test = 0 mg/L	
Submerged: Partially Depth (in):				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.79 units Temperature: 76 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
 Osh09_DSCN6366.JPG 2009				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

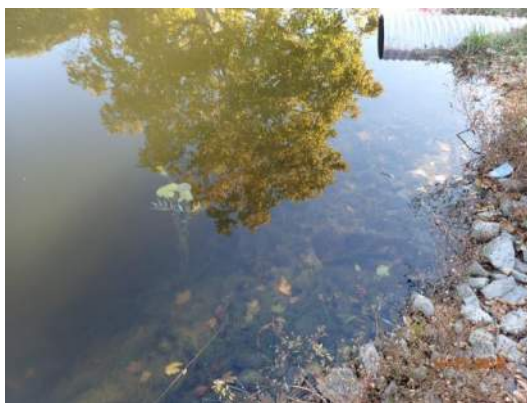
Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022092206.JPG

Outfall Notes:

Storm sewer from Bowen St and Windward Ct discharges to lagoon from south.

County Coordinates:

Northing: 484,851

Easting: 795,815

Latitude/Longitude:

Latitude: 44.04958

Longitude: -88.52732

Location Map



Inspection Date: 10/22/2018 9:23:57 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 15-1108 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022092212.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/19/2017 2:13:56 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 15-1108 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171019141152.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2017</div>		

Inspection Date: 10/19/2016 9:29:15 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 15-1108 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161019092756.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>		

Inspection Date: 9/24/2015 7:35:11 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened at 15-1108 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924063632.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>		

Inspection Date: 10/5/2011 10:07:32 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 16		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 15-1108 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111005100840.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		

Inspection Date: 5/12/2011 9:38:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged. Outfall screened upstream at 15-1108 US1.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		



o20110512093128.JPG

2011

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1108

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181022092422.JPG

Outfall Notes:

Upstream manhole located approx 46 ft SSW of outfall 115-1108. Intermediate area consists of street right-of-way and open space.

County Coordinates:

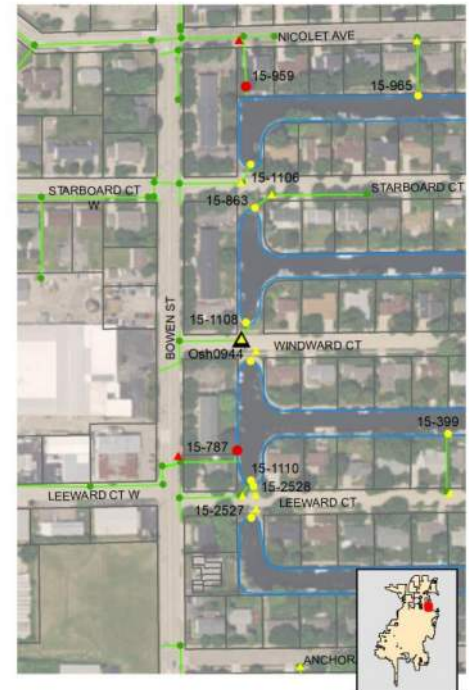
Northing: 484,811

Easting: 795,804

Latitude/Longitude:

Latitude: 44.04947

Longitude: -88.52737

Location Map**Inspection Date:** 10/22/2018 9:28:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 14

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool.

Floatables: None

Odor: None

Turbidity: Slight cloudiness

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181022092430.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181022-79

Time Collected: 09:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.63 units


Temperature (field): 54 °F


Conductivity (field): 1665 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2017 2:15:28 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results Sample Location: _____ Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.85 units Temperature: 66 °F Conductivity: 412 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Sample collected from submerged pool in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				 o20171019141326.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

Inspection Date: 10/19/2016 9:33:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.78 units Temperature: 63 °F Conductivity: 413 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None		
		Notes		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				 o20161019092942.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/24/2015 7:35:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.88 units Temperature: 68 °F Conductivity: 384 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: Slight		
		Notes		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				 o20150924063654.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/5/2011 10:10:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.25 units Temperature: 62 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
				 o20111005101010.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>

Inspection Date: 5/12/2011 9:31:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Limited screening conducted for upstream manhole prescreening.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		



o20110512093152.JPG

2011

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20181025124822.JPG

Outfall Notes:

Storm sewer from Mt Vernon St and Custer Ave discharges to open channel east of Harrison St.

County Coordinates:

Northing: 480,046

Easting: 793,931

Latitude/Longitude:

Latitude: 44.03640

Longitude: -88.53448

Location Map



Inspection Date: 10/25/2018 12:51:10 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment wet, but no collectable flow at time of inspection.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

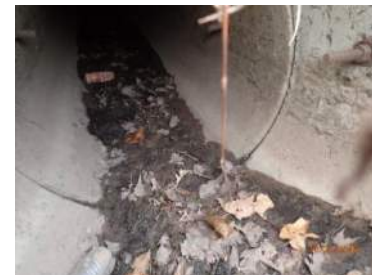
☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025124842.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 12:36:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 1		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		
		Notes Saturated sediment on apron. Outfall partially submerged - screened upstream at 15-2409 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None		
			 o20171017123304.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/19/2016 12:25:36 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		
		Notes Sediment wet, but no flow at time of inspection.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
			 o20161019122450.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 8:45:17 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		
		Notes Outfall partially submerged - screened at 15-2409 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150924075004.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 43

Width (in): 68

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024165302.JPG

Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

County Coordinates:

Northing: 490,793

Easting: 797,297

Latitude/Longitude:

Latitude: 44.06588

Longitude: -88.52170

Location Map



Inspection Date: 10/24/2018 4:55:10 PM Inspector: JCW Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 43

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 15-2477 US2.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Moderate

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024165312.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: Minor Depth (in): 10

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/19/2017 2:59:13 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 38		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 15-2477 US2. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 8 in. Damage: None	
			 o20171019145658.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/18/2016 5:32:01 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 30		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Vegetation accumulating on outside of grate. Outfall partially submerged - screened upstream at 15-2477 US2. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018173020.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 6:32:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged - screened at 15-2477 US2. First upstream manhole in parking area not located in gravel. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 7 in. Damage: None	
			 o20150924053500.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 7/16/2013 8:34:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 41		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 15-2477 US2. Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 9 in. Damage: None	
			 o20130716074040.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>	

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2478

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024164316.JPG

Outfall Notes:

Upstream manhole located approx 542 ft NNW of outfall 15-2477. Intermediate area consists of grassy field and gravel parking lot.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 491,307

Easting: 797,123

Latitude/Longitude:

Latitude: 44.06729

Longitude: -88.52236

Inspection Date: 10/24/2018 4:45:53 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 18

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024164322.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-18

Time Collected: 16:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.92 units


Temperature (field): 57 °F


Conductivity (field): 1445 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2017 2:53:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 16		
Sampling Results Sample Location: _____ Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.8 units Temperature: 65 °F Conductivity: 900 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Sample collected from submerged pool in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None	 o20171019145130.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

Inspection Date: 10/18/2016 5:26:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.45 units Temperature: 65 °F Conductivity: 654 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161018172406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/24/2015 6:43:24 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 67 °F Conductivity: 438 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150924054540.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 7/16/2013 8:46:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 18		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.07 units Temperature: 80 °F Conductivity: 437 µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20130716074908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20181024085922.JPG

Outfall Notes:

Curb inlets from Veterans Trail discharge to river from west. Outfall not located - pipe info from MS4 map.

County Coordinates:

Northing: 480,225

Easting: 785,463

Latitude/Longitude:

Latitude: 44.03687

Longitude: -88.56669

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/24/2018 9:00:09 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-142 US1.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024085930.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/17/2017 11:10:52 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017110742.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2017</div>		

Inspection Date: 10/10/2016 1:39:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010133812.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>		

Inspection Date: 9/23/2015 10:42:40 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened at 16-142 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150923094512.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>		

Inspection Date: 10/7/2014 8:03:04 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141007070234.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>		


Inspection Date: 6/20/2012 10:45:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged; screened upstream at 16-142 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120620094610.JPG

2012


Inspection Date: 10/11/2011 12:41:17 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111011124048.JPG

2011

Inspection Date: 8/19/2010 8:26:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100819081820.JPG

2010

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-142

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024085956.JPG

Outfall Notes:

Upstream curb inlet located approx 36 ft WSW of outfall 16-142. Intermediate area consists of open space between parking lot and shoreline.

County Coordinates:

Northing: 480,207

Easting: 785,433

Latitude/Longitude:

Latitude: 44.03682

Longitude: -88.56680



Inspection Date: 10/24/2018 9:01:58 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 24

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024090004.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-38

Time Collected: 09:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.83 units

Temperature (field): 48 °F

Conductivity (field): 354 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/17/2017 11:13:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 17		
Sampling Results		Notes Sample collected from submerged pool in manhole. Ammonia assumed due to decomposing leaves.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 7.56 units	Gross Solids: Slight			
Temperature 66 °F	Vegetation: None			
Conductivity: 535 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Moderate			
		2017		


Inspection Date: 10/10/2016 1:41:25 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 18		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: Easily detected			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 6.65 units	Gross Solids: Moderate			
Temperature 70 °F	Vegetation: None			
Conductivity: 809 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Moderate			
		2016		


Inspection Date: 9/23/2015 10:45:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 21		
Sampling Results		Notes Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.06 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: 345 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		2015		

Inspection Date: 10/7/2014 8:03:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 15		
Sampling Results		Notes Floating gross solids (litter) in catchbasin.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.55 units	Gross Solids: Moderate			
Temperature -- °F	Vegetation: None			
Conductivity: 430 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			
		2014		

Inspection Date: 6/20/2012 10:46:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 23	2011 gross solids follow-up. Visual screening only.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	Slight	pH:	-- units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	Moderate	Conductivity:	-- µS/cm	Stains:	Slight	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	Slight																																					
pH:	-- units	Vegetation:	None																																					
Temperature	-- °F	Benthic Growth:	Moderate																																					
Conductivity:	-- µS/cm	Stains:	Slight																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
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Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							
			 o20120620094656.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2012</div>																																					

Inspection Date: 10/11/2011 12:44:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 16	2010 screening follow-up. Floatable debris still present.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location: Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>8.15 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>71 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location: Pool		Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Slight	pH:	8.15 units	Vegetation:	None	Temperature	71 °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location: Pool		Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	0 ppm	Gross Solids:	Slight																																					
pH:	8.15 units	Vegetation:	None																																					
Temperature	71 °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
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Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None 0 in.																																							
Damage:	None																																							
			 o20111011124148.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																																					

Inspection Date: 5/26/2011 2:50:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td></td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>Moderate</td> </tr> </table>					Sampling Results		Floatables:	Moderate	Sample Location:		Odor:		Total Chlorine:	-- ppm	Turbidity:		Free Chlorine:	-- ppm	Color:		Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:		Temperature	-- °F	Benthic Growth:		Conductivity:	-- µS/cm	Stains:		Detergents:	-- mg/L	Non-illicit:	Moderate
Sampling Results		Floatables:	Moderate																																					
Sample Location:		Odor:																																						
Total Chlorine:	-- ppm	Turbidity:																																						
Free Chlorine:	-- ppm	Color:																																						
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:																																						
Temperature	-- °F	Benthic Growth:																																						
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Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None 0 in.																																							
Damage:	None																																							
			 o20110526145102.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																																					

Inspection Date: 8/19/2010 8:30:49 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes																																					
Submerged: Fully		Depth (in): 22	Floatable debris in catchbasin.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location: Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>Slight cloudiness</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>pH:</td> <td>7.84 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>73 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location: Pool		Odor:	None	Total Chlorine:	0 ppm	Turbidity:	Slight cloudiness	Free Chlorine:	0 ppm	Color:	Faint in bottle	Ammonia:	0 ppm	Gross Solids:	Moderate	pH:	7.84 units	Vegetation:	None	Temperature	73 °F	Benthic Growth:	Slight	Conductivity:	-- µS/cm	Stains:	None	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location: Pool		Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	Slight cloudiness																																					
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pH:	7.84 units	Vegetation:	None																																					
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Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
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Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None 0 in.																																							
Damage:	None																																							
			 o20100819082134.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2010</div>																																					

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20181024081944.JPG

Outfall Notes:

Storm sewer from Tyler Ave discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 477,309

Easting: 787,006

Latitude/Longitude:

Latitude: 44.02888

Longitude: -88.56081

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 10/24/2018 8:21:24 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-164 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20181024081952.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/18/2016 12:50:50 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-164 US1.	 o20161018124936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 8/25/2010 8:11:03 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-164 US1.	 o20100825080326.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-164

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024082116.JPG

Outfall Notes:

Upstream manhole located approx 245 ft W of outfall 16-164. Intermediate area consists of wooded area to shoreline.

County Coordinates:

Northing: 477,310

Easting: 786,763

Latitude/Longitude:

Latitude: 44.02888

Longitude: -88.56173



Inspection Date: 10/24/2018 8:23:16 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 27

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Slight

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024082122.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-16

Time Collected: 08:24

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 48 °F

Conductivity (field): 348 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/18/2016 12:54:03 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																												
Illicit Discharge Potential: Unlikely		Inspector: JCW																														
Submerged: Fully		Depth (in): 22																														
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Pool</td> <td style="width: 50%;">Floatables: None</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: None</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: Faint in bottle</td> </tr> <tr> <td>pH: 8.12 units</td> <td>Gross Solids: Slight</td> </tr> <tr> <td>Temperature: 67 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 364 µS/cm</td> <td>Benthic Growth: None</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains: None</td> </tr> <tr> <td></td> <td>Non-illicit: None</td> </tr> </table>		Sample Location: Pool	Floatables: None	Total Chlorine: 0 ppm	Odor: None	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: Faint in bottle	pH: 8.12 units	Gross Solids: Slight	Temperature: 67 °F	Vegetation: None	Conductivity: 364 µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: None		Non-illicit: None	Notes <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Condition Assessment</td> </tr> <tr> <td>Graffiti: None</td> <td></td> </tr> <tr> <td>Erosion: None</td> <td></td> </tr> <tr> <td>Deposition: None</td> <td>in.</td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>			Condition Assessment		Graffiti: None		Erosion: None		Deposition: None	in.	Damage: None	
Sample Location: Pool	Floatables: None																															
Total Chlorine: 0 ppm	Odor: None																															
Free Chlorine: 0 ppm	Turbidity: None																															
Ammonia: 0 ppm	Color: Faint in bottle																															
pH: 8.12 units	Gross Solids: Slight																															
Temperature: 67 °F	Vegetation: None																															
Conductivity: 364 µS/cm	Benthic Growth: None																															
Detergents: 0 mg/L	Stains: None																															
	Non-illicit: None																															
Condition Assessment																																
Graffiti: None																																
Erosion: None																																
Deposition: None	in.																															
Damage: None																																
			 o20161018125152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																													

Inspection Date: 8/25/2010 8:13:41 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																												
Illicit Discharge Potential: Unlikely		Inspector: JCW																														
Submerged: Fully		Depth (in): 26																														
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Pool</td> <td style="width: 50%;">Floatables: None</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: Faint</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: Faint in bottle</td> </tr> <tr> <td>pH: 7.7 units</td> <td>Gross Solids: Slight</td> </tr> <tr> <td>Temperature: 71 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth: Slight</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains: None</td> </tr> <tr> <td></td> <td>Non-illicit: None</td> </tr> </table>		Sample Location: Pool	Floatables: None	Total Chlorine: 0 ppm	Odor: Faint	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: Faint in bottle	pH: 7.7 units	Gross Solids: Slight	Temperature: 71 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: Slight	Detergents: 0 mg/L	Stains: None		Non-illicit: None	Notes <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Condition Assessment</td> </tr> <tr> <td>Graffiti: None</td> <td></td> </tr> <tr> <td>Erosion: None</td> <td></td> </tr> <tr> <td>Deposition: Minor</td> <td>3 in.</td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>			Condition Assessment		Graffiti: None		Erosion: None		Deposition: Minor	3 in.	Damage: None	
Sample Location: Pool	Floatables: None																															
Total Chlorine: 0 ppm	Odor: Faint																															
Free Chlorine: 0 ppm	Turbidity: None																															
Ammonia: 0 ppm	Color: Faint in bottle																															
pH: 7.7 units	Gross Solids: Slight																															
Temperature: 71 °F	Vegetation: None																															
Conductivity: -- µS/cm	Benthic Growth: Slight																															
Detergents: 0 mg/L	Stains: None																															
	Non-illicit: None																															
Condition Assessment																																
Graffiti: None																																
Erosion: None																																
Deposition: Minor	3 in.																															
Damage: None																																
			 o20100825080536.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																													

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20181024080232.JPG

Outfall Notes:

Storm sewer from N Campbell Rd discharges to Fox River from west. Fully submerged and not physically located - information from MS4 map.

County Coordinates:

Northing: 475,610

Easting: 787,877

Latitude/Longitude:

Latitude: 44.02422

Longitude: -88.55749

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 10/24/2018 8:03:14 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 16-436 US1. Floating gross solids (litter) in manhole.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024080238.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/11/2011 11:52:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-436 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o201110111115134.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 8/25/2010 10:18:11 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-436 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100825100954.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>		

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-436

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024080258.JPG

Outfall Notes:

Upstream manhole located approx 78 ft WSW of outfall 16-436. Intermediate area consists of open space.

County Coordinates:

Northing: 475,584

Easting: 787,804

Latitude/Longitude:

Latitude: 44.02415

Longitude: -88.55777



Inspection Date: 10/24/2018 8:05:07 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 50

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20181024080306.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-91

Time Collected: 08:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.34 units


Temperature (field): 52 °F

Conductivity (field): 873 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/11/2011 11:54:56 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2010 screening follow-up. Floatable debris significantly reduced.																																												
Submerged: Fully Depth (in): 30																																															
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0.5 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.34 units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>Moderate</td> </tr> </table>		Sample Location:	Pool	Floatables:	Moderate	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0.5 ppm	Color:	None	pH:	7.34 units	Gross Solids:	Moderate	Temperature:	71 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	Moderate			Non-illicit:	Moderate	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:	Pool	Floatables:	Moderate																																												
Total Chlorine:	0 ppm	Odor:	None																																												
Free Chlorine:	0 ppm	Turbidity:	None																																												
Ammonia:	0.5 ppm	Color:	None																																												
pH:	7.34 units	Gross Solids:	Moderate																																												
Temperature:	71 °F	Vegetation:	None																																												
Conductivity:	-- µS/cm	Benthic Growth:	None																																												
Detergents:	-- mg/L	Stains:	Moderate																																												
		Non-illicit:	Moderate																																												
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None 0 in.																																														
Damage:	None																																														
			 o20111011115206.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																												

Inspection Date: 5/26/2011 2:23:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.																																												
Submerged: Fully Depth (in):																																															
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:		Floatables:	Moderate	Total Chlorine:	-- ppm	Odor:		Free Chlorine:	-- ppm	Turbidity:		Ammonia:	-- ppm	Color:		pH:	-- units	Gross Solids:	Moderate	Temperature:	-- °F	Vegetation:		Conductivity:	-- µS/cm	Benthic Growth:		Detergents:	-- mg/L	Stains:				Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:		Floatables:	Moderate																																												
Total Chlorine:	-- ppm	Odor:																																													
Free Chlorine:	-- ppm	Turbidity:																																													
Ammonia:	-- ppm	Color:																																													
pH:	-- units	Gross Solids:	Moderate																																												
Temperature:	-- °F	Vegetation:																																													
Conductivity:	-- µS/cm	Benthic Growth:																																													
Detergents:	-- mg/L	Stains:																																													
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None 0 in.																																														
Damage:	None																																														
			 o20110526142310.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																												

Inspection Date: 8/25/2010 10:22:31 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Floatable debris in manhole.																																												
Submerged: Fully Depth (in): 37																																															
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>pH:</td> <td>7.31 units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	Faint in bottle	pH:	7.31 units	Gross Solids:	Moderate	Temperature:	71 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	Slight			Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
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Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None 0 in.																																														
Damage:	None																																														
			 o20100825101302.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																												

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20181024084508.JPG

Outfall Notes:

N Sawyer St storm sewer discharges to river from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 478,815

Easting: 785,375

Latitude/Longitude:

Latitude: 44.03301

Longitude: -88.56701

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 10/24/2018 8:46:55 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 16-533 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024084514.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

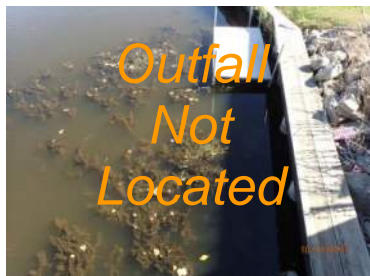
pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/19/2017 1:28:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	



o20171019132622.JPG

2017


Inspection Date: 10/18/2016 9:28:25 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	



o20161018092038.JPG

2016


Inspection Date: 9/23/2015 10:32:22 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	



o20150923093118.JPG


2015


Inspection Date: 10/7/2014 9:08:49 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	



o20141007080736.JPG

2014

Inspection Date: 10/11/2011 12:16:32 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Unlikely		Inspector: JCW																													
Submerged: Fully		Depth (in):																													
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1. </div>																													
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> <td style="width:50%;">None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>		
Sample Location:	Floatables:	None																													
Total Chlorine: -- ppm	Odor:	None																													
Free Chlorine: -- ppm	Turbidity:	None																													
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pH: -- units	Gross Solids:	None																													
Temperature -- °F	Vegetation:	None																													
Conductivity: -- µS/cm	Benthic Growth:	None																													
Detergents: -- mg/L	Stains:	None																													
	Non-illicit:	None																													
		<div style="text-align: center;">  <p>o20111011121620.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2011</p> </div>																													

Inspection Date: 8/26/2010 10:11:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW																													
Submerged: Fully		Depth (in):																													
Sampling Results		<div style="border: 1px solid black; padding: 5px;"> Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1. </div>																													
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> <td style="width:50%;">None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>		
Sample Location:	Floatables:	None																													
Total Chlorine: -- ppm	Odor:	None																													
Free Chlorine: -- ppm	Turbidity:	None																													
Ammonia: -- ppm	Color:	None																													
pH: -- units	Gross Solids:	None																													
Temperature -- °F	Vegetation:	None																													
Conductivity: -- µS/cm	Benthic Growth:	None																													
Detergents: -- mg/L	Stains:	None																													
	Non-illicit:	None																													
		<div style="text-align: center;">  <p>o20100826094912.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2010</p> </div>																													

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-1178

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181024084844.JPG

Outfall Notes:

Upstream manhole located approx 75 ft NE of outfall 16-533. Intermediate area consists of street right-of-way and commercial property.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,755

Easting: 785,326

Latitude/Longitude:

Latitude: 44.03284

Longitude: -88.56720

Inspection Date: 10/24/2018 8:51:52 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 46

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024084850.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-50

Time Collected: 08:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.75 units


Temperature (field): 48 °F


Conductivity (field): 485 µS/cm



Detergents: 0 mg/L

Inspection Date: 10/19/2017 1:34:48 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.89 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>668 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:		Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.89 units	Temperature:	66 °F	Conductivity:	668 µS/cm	Detergents:	0 mg/L	Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Sample collected from submerged pool in manhole.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20171019133054.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		



Inspection Date: 10/18/2016 9:29:17 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 40																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.94 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>482 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.94 units	Temperature:	63 °F	Conductivity:	482 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Potential illicit discharge due to gross solids.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20161018092516.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/23/2015 10:32:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 36																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.95 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>363 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.95 units	Temperature:	71 °F	Conductivity:	363 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150923093204.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		



Inspection Date: 10/7/2014 9:13:45 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 34																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.67 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>474 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.67 units	Temperature:	-- °F	Conductivity:	474 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Odor:	None																																					
Turbidity:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20141007081140.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																		

Inspection Date: 10/11/2011 12:22:21 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.		 o20111011121924.JPG	
Submerged: Fully		Depth (in): 16					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		 o20110526143524.JPG	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.9 units Temperature: 70 °F Conductivity: -- µS/cm Detergents: -- mg/L							

2011

Inspection Date: 5/26/2011 2:35:00 PM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Limited screening conducted to check for floatable debris.		 o20110526143524.JPG	
Submerged: Fully		Depth (in):					
Sampling Results		Floatables: None Odor: Turbidity: Color: Gross Solids: Moderate Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		 o20100826095640.JPG	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

2011

Inspection Date: 8/26/2010 10:01:38 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floatable debris in manhole.		 o20100826095640.JPG	
Submerged: Fully		Depth (in): 36					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		 o20100826095640.JPG	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.23 units Temperature: 76 °F Conductivity: -- µS/cm Detergents: 0 mg/L							

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 16

Width (in): 25

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20181024075600.JPG

Outfall Notes:

Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map. Identified on MS4 map, but may be private outfall.

County Coordinates:

Northing: 476,112

Easting: 787,572

Latitude/Longitude:

Latitude: 44.02560

Longitude: -88.55865

Location Map



Inspection Date: 10/24/2018 7:56:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not physically located. Upstream manhole not accessible.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024075604.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/25/2010 9:49:38 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not physically located. Upstream manhole not accessible.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20100825094258.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:



o20181024075614.JPG



City ID:

16-587

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Outfall Notes:

Upstream manhole not located.

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 476,103

Easting: 787,543

Latitude/Longitude:

Latitude: 44.02557

Longitude: -88.55876

Inspection Date: 10/24/2018 7:56:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Only upstream manhole appears to be buried.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024075616.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 8/25/2010 9:54:50 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes Only upstream manhole appears to be buried.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			



o20100825094818.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20181024090616.JPG

Outfall Notes:

Storm sewer from Oshkosh Ave discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 479,419

Easting: 785,894

Latitude/Longitude:

Latitude: 44.03466

Longitude: -88.56504

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 10/24/2018 9:07:36 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 16-594 US1. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181024090620.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/17/2017 11:24:35 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located - screened upstream at 16-594 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017112242.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 2:04:49 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not located -screened upstream at 16-594 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010140356.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 8/19/2010 7:23:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-594 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100819071708.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>		

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-594

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181024090714.JPG

Outfall Notes:

Upstream manhole located approx 60 ft WSW of outfall 16-594. Intermediate area consists of open space in park.

County Coordinates:

Northing: 479,381

Easting: 785,842

Latitude/Longitude:

Latitude: 44.03456

Longitude: -88.56524



Inspection Date: 10/24/2018 9:08:57 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 57

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Moderate

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☒ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam



o20181024090720.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181024-71

Time Collected: 09:09

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.35 units

Temperature (field): 50 °F

Conductivity (field): 456 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment


Graffiti: None

Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage


Inspection Date: 10/17/2017 11:27:30 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 51		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	Condition Assessment		
Ammonia: 0 ppm	Color: None			
pH: 6.98 units	Gross Solids: Moderate	Graffiti: None	in.	
Temperature: 68 °F	Vegetation: None	Erosion: None		
Conductivity: 741 µS/cm	Benthic Growth: None	Deposition: None		
Detergents: 0 mg/L	Stains: None	Damage: None		
	Non-illicit: None			


 o20171017112318.JPG
2017

Inspection Date: 10/10/2016 2:07:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 51		
Sampling Results		Notes		
Sample Location: Pool	Floatables: Slight	Potential illicit discharge due to gross solids.		
Total Chlorine: 0 ppm	Odor: Easily detected			
Free Chlorine: 0 ppm	Turbidity: None	Condition Assessment		
Ammonia: 0.25 ppm	Color: None			
pH: 7.17 units	Gross Solids: Moderate	Graffiti: None	in.	
Temperature: 71 °F	Vegetation: None	Erosion: None		
Conductivity: 831 µS/cm	Benthic Growth: None	Deposition: None		
Detergents: 0 mg/L	Stains: None	Damage: None		
	Non-illicit: None			


 o20161010140454.JPG
2016

Inspection Date: 8/19/2010 7:26:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 51		
Sampling Results		Notes		
Sample Location: Pool	Floatables: Slight	2 small oil drops, likely from Oshkosh Ave runoff.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	Condition Assessment		
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.44 units	Gross Solids: Slight	Graffiti: None	0 in.	
Temperature: 75 °F	Vegetation: None	Erosion: None		
Conductivity: -- µS/cm	Benthic Growth: None	Deposition: None		
Detergents: 0 mg/L	Stains: None	Damage: None		
	Non-illicit: None			


 o20100819071738.JPG
2010

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025081246.JPG

Outfall Notes:

Storm sewer from Fall Creek Ln discharges to south end of detention basin.

County Coordinates:

Northing: 475,039

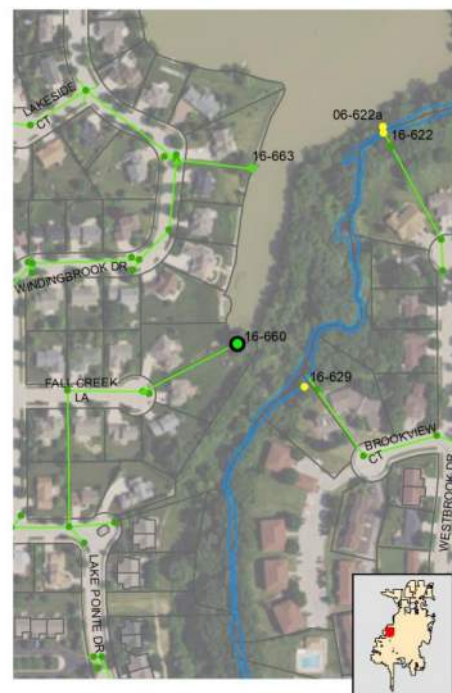
Easting: 779,334

Latitude/Longitude:

Latitude: 44.02263

Longitude: -88.58997

Location Map



Inspection Date: 10/25/2018 8:13:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 16-660 US1. Detergent detected in sample.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Moderate

Stains: Moderate

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025081252.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Physical Condition Assessment


Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/3/2017 11:03:37 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None		
		Notes Outfall partially submerged - screened upstream at 16-660 US1. Detergent detected in sample.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171003110156.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 5/30/2012 10:59:58 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 10		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 16-660.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
		 o20120530100048.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2012</div>		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-660

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025081622.JPG

Outfall Notes:

Upstream manhole located approx 257 ft WSW of outfall 16-660. Intermediate area consists of residential property.

County Coordinates:

Northing: 474,930

Easting: 779,104

Latitude/Longitude:

Latitude: 44.02233

Longitude: -88.59084

Location Map**Inspection Date:** 10/26/2018 12:20:38 PM**Inspector:** KMK**Inspection Type:** Repeat**Previous Rainfall (hrs):** 72+**Flow Description:** Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025081632.JPG

2018**Sampling Results**

Sample Location: Flow

Sample ID: 181026-57

Time Collected: 12:22

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.83 units

Temperature (field): 56 °F

Conductivity (field): 1063 µS/cm

Detergents: 0.7 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/25/2018 8:16:19 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.9 units</td></tr> <tr><td>Temperature:</td><td>52 °F</td></tr> <tr><td>Conductivity:</td><td>1037 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.35 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.9 units	Temperature:	52 °F	Conductivity:	1037 µS/cm	Detergents:	0.35 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Deposition:	None in.																																					
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				 o20181025081632.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

Inspection Date: 10/17/2017 9:02:21 AM		Type: Repeat	Flow: Moderate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.78 units</td></tr> <tr><td>Temperature:</td><td>61 °F</td></tr> <tr><td>Conductivity:</td><td>926 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.78 units	Temperature:	61 °F	Conductivity:	926 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Repeat inspection due to detergent. No detergent detected in manhole sample.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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Deposition:	None in.																																					
Damage:	None																																					
				 o20171017085628.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 10/3/2017 11:12:57 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.26 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>845 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.55 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.26 units	Temperature:	76 °F	Conductivity:	845 µS/cm	Detergents:	0.55 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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				 o20171003110702.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

Inspection Date: 5/30/2012 11:04:45 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.35 units</td></tr> <tr><td>Temperature:</td><td>59 °F</td></tr> <tr><td>Conductivity:</td><td>1148 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.35 units	Temperature:	59 °F	Conductivity:	1148 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
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Deposition:	None in.																																					
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				 o20120530100806.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025085140.JPG

Outfall Notes:

Storm sewer from Koeller St discharges to stream from south.

County Coordinates:

Northing: 476,529

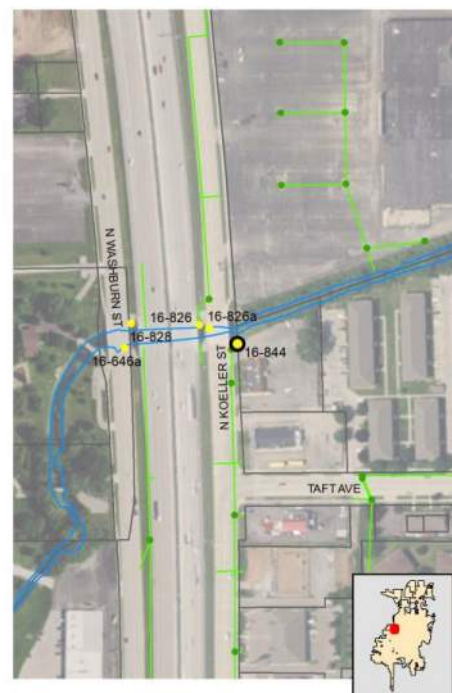
Easting: 781,598

Latitude/Longitude:

Latitude: 44.02672

Longitude: -88.58137

Location Map



Inspection Date: 10/26/2018 1:46:37 PM Inspector: KMK Inspection Type: Repeat Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Moderate ☒ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025085152.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181026-42

Time Collected: 13:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.19 units


Temperature (field): 56 °F


Conductivity (field): 3550 µS/cm

Detergents: 0.5 mg/L


Inspection Date: 10/25/2018 8:55:36 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Sample collected from pipe flow. Detergent and elevated conductivity in sample. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.22 units</td></tr> <tr><td>Temperature:</td><td>52 °F</td></tr> <tr><td>Conductivity:</td><td>3300 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.45 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.22 units	Temperature:	52 °F	Conductivity:	3300 µS/cm	Detergents:	0.45 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		 o20181025085152.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2018</div>																																				

Inspection Date: 10/17/2017 10:32:21 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Sample collected from pipe flow. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.35 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>1704 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.35 units	Temperature:	65 °F	Conductivity:	1704 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		 o20171017102814.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2017</div>																																				

Inspection Date: 10/18/2016 7:21:24 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Elevated conductivity, but no other parameters out of range. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.29 units</td></tr> <tr><td>Temperature:</td><td>64 °F</td></tr> <tr><td>Conductivity:</td><td>3880 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.29 units	Temperature:	64 °F	Conductivity:	3880 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Non-illicit:	None																																					
		 o20161018071712.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2016</div>																																				

Inspection Date: 9/28/2015 7:20:55 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results		<div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Notes Flowline wet, but no flow at time of inspection. </div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> <div style="float: right; border: 1px solid black; padding: 5px; width: 200px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>			Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		 o20150928062340.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2015</div>																																				

Inspection Date: 6/6/2012 11:50:55 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																	
Submerged: None		Depth (in):																		
Sampling Results			Condition Assessment																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Flow</td> <td style="width: 50%;">Floatables: Slight</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: None</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: None</td> </tr> <tr> <td>pH: 8.1 units</td> <td>Gross Solids: Slight</td> </tr> <tr> <td>Temperature: 78 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 5050 µS/cm</td> <td>Benthic Growth: Moderate</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains: Slight</td> </tr> <tr> <td></td> <td>Non-illicit: None</td> </tr> </table>		Sample Location: Flow			Floatables: Slight	Total Chlorine: 0 ppm	Odor: None	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: None	pH: 8.1 units	Gross Solids: Slight	Temperature: 78 °F	Vegetation: None	Conductivity: 5050 µS/cm	Benthic Growth: Moderate	Detergents: 0 mg/L	Stains: Slight	
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Deposition: None																				
Damage: None																				



o20120606105408.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20181025082458.JPG

Outfall Notes:

Storm sewer from Patriot Ln discharges to swale/dry pond that discharges to wet pond.

County Coordinates:

Northing: 476,252

Easting: 779,836

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58806

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/25/2018 8:27:19 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 16-995 US1. Detergent detected in sample.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025082506.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/3/2017 10:18:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results		Notes Outfall partially submerged - screened upstream at 16-995 US1. Detergent detected in sample.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
		 o20171003101614.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 6/6/2012 1:21:40 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results		Notes No flow leaving pool at end of outfall. Deposition in swale downstream. Screened upstream at 16-995 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None		
		 o20120606122140.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2012</div>		

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-995

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20181025082858.JPG

Outfall Notes:

Upstream manhole located approx 112 ft W of outfall 16-995. Intermediate area consists of open space.



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 476,251

Easting: 779,723

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58849

Inspection Date: 10/26/2018 12:12:28 PM

Inspector: KMK

Inspection Type: Repeat

Previous Rainfall (hrs): 72+

Flow Description: Submerged, no flow

Submerged: Partially Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025082910.JPG

2018

Sampling Results

Sample Location: Pool

Sample ID: 181026-59

Time Collected: 12:13

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.02 units


Temperature (field): 54 °F


Conductivity (field): 1143 µS/cm

Detergents: 0.85 mg/L

Inspection Date: 10/25/2018 8:28:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 2																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.86 units</td></tr> <tr><td>Temperature:</td><td>50 °F</td></tr> <tr><td>Conductivity:</td><td>1011 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.4 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.86 units	Temperature:	50 °F	Conductivity:	1011 µS/cm	Detergents:	0.4 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Inspection Date: 10/17/2017 8:51:34 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 7																																				
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20171017084622.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>																																		

Inspection Date: 10/3/2017 10:22:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 3																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.45 units</td></tr> <tr><td>Temperature:</td><td>72 °F</td></tr> <tr><td>Conductivity:</td><td>333 µS/cm</td></tr> <tr><td>Detergents:</td><td>1.3 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.45 units	Temperature:	72 °F	Conductivity:	333 µS/cm	Detergents:	1.3 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Sample collected from submerged pool in outfall. Detergent detected in sample.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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				 <p style="text-align: center;">o20171003101932.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>																																		

Inspection Date: 6/6/2012 1:28:22 PM		Type: Ongoing	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in): 1																																				
Sampling Results		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.36 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>411 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.36 units	Temperature:	69 °F	Conductivity:	411 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Sample collected from pool in manhole. No flow entering either pipe.</p> </div> <div style="flex: 1;"> <p>Condition Assessment</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
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				 <p style="text-align: center;">o20120606122856.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2012</p>																																		

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20181025083526.JPG

Outfall Notes:

Curb inlet from Washburn St discharges to northeast corner of detention basin.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,346

Easting: 779,977

Latitude/Longitude:

Latitude: 44.03170

Longitude: -88.58753

Inspection Date: 10/25/2018 8:41:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 5

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 16-1205 US1. Detergent detected in upstream manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☒ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181025083538.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None

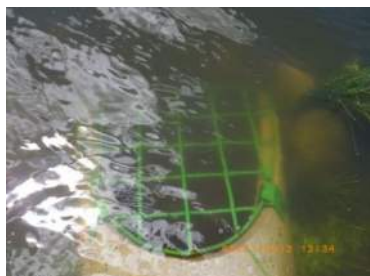
Deposition: Minor Depth (in): 2

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 10/3/2017 9:04:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 1		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 16-1205 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
			 o20171003090114.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/18/2016 7:06:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 16-1205 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018070408.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/28/2015 6:36:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Outfall partially submerged - screened at 16-1205 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150928053734.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 6/21/2012 12:32:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 21		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged; screened upstream at 16-1205 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120621113440.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2012</div>	

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-1205

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025083902.JPG

Outfall Notes:

Upstream curb inlet located approx 36 ft NE of outfall 16-1205. Intermediate area consists of open space.

County Coordinates:

Northing: 478,371

Easting: 780,002

Latitude/Longitude:

Latitude: 44.03177

Longitude: -88.58744

Location Map**Inspection Date:** 10/26/2018 11:48:36 AM**Inspector:** KMK**Inspection Type:** Repeat**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, no flow

Submerged: Partially Depth (in):

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted beyond sampling.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025083908.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181026-05

Time Collected: 11:49

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm





Ammonia (field): 0 ppm


pH (field): 7.42 units

Temperature (field): 52 °F

Conductivity (field): 74 µS/cm

Detergents: 0.5 mg/L

Inspection Date: 10/25/2018 8:41:51 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: None Depth (in):		Inspector: JCW	Notes	 o20181025083908.JPG 2018
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.68 units Temperature: 50 °F Conductivity: 661 µS/cm Detergents: 0.55 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Water below outlet pipe. Sample collected from sump. Detergent detected. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/3/2017 9:05:51 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: None Depth (in):		Inspector: JCW	Notes	 o20171003090254.JPG 2017
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Outlet pipe dry - no sample collected. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/18/2016 7:08:50 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: None Depth (in):		Inspector: JCW	Notes	 o20161018070720.JPG 2016
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Water in sump, but no flow entering pipe. No sample collected from sump. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/28/2015 6:42:48 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: None Depth (in):		Inspector: JCW	Notes	 o20150928054310.JPG 2015
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Water level below outlet pipe - no sample collected. 18" of water in sump, 2" of sediment. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 6/21/2012 12:35:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW																																						
Submerged: Fully		Depth (in): 32																																						
<div> <div> Sampling Results </div> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div> Notes Grate could not be removed for sample. </div> <div> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>					Sample Location:		Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature	-- °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None
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		Non-illicit:	None																																					
				 <p>o20120621113808.JPG</p> <p>2012</p>																																				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025090008.JPG

Outfall Notes:

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

County Coordinates:

Northing: 477,157

Easting: 782,760

Latitude/Longitude:

Latitude: 44.02845

Longitude: -88.57695

Location Map



Inspection Date: 10/25/2018 9:02:26 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 29

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-1508 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: Moderate

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☒ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20181025090016.JPG

2018

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm


Detergents: -- mg/L


Inspection Date: 10/17/2017 10:50:15 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 26																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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		Notes Outfall partially submerged - screened upstream at 16-1508 US1.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
			 o20171017104638.JPG																																			
2017																																						


Inspection Date: 10/18/2016 7:30:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 21																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
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Non-illicit:	None																																					
		Notes Graffiti on south bridge abutment. Outfall partially submerged - screened upstream at 16-1508 US1.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>Moderate</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	Moderate	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	Moderate																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018072836.JPG																																			
2016																																						

Inspection Date: 9/28/2015 6:56:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 27																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Moderate	Non-illicit:	None
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
			 o20150928055850.JPG																																			
2015																																						

Inspection Date: 10/7/2014 10:55:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 23																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20141007095432.JPG																																			
2014																																						

Inspection Date: 9/5/2013 12:32:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 US1.																										
Submerged: Partially Depth (in): 28																													
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location:	Floatables:	Total Chlorine: -- ppm	Odor:	Free Chlorine: -- ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: -- units	Gross Solids:	Temperature -- °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: -- mg/L	Stains:		Non-illicit:	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Sample Location:	Floatables:																												
Total Chlorine: -- ppm	Odor:																												
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Detergents: -- mg/L	Stains:																												
	Non-illicit:																												
Graffiti:	None																												
Erosion:	None																												
Deposition:	None in.																												
Damage:	None																												
			 o20130905113702.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>																										

Inspection Date: 9/27/2012 12:57:15 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Construction around outfall. Screened upstream at 16-1508 US1.																										
Submerged: Partially Depth (in): 15																													
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location:	Floatables:	Total Chlorine: -- ppm	Odor:	Free Chlorine: -- ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: -- units	Gross Solids:	Temperature -- °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: -- mg/L	Stains:		Non-illicit:	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>Moderate 9 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	Moderate 9 in.	Damage:	None
Sample Location:	Floatables:																												
Total Chlorine: -- ppm	Odor:																												
Free Chlorine: -- ppm	Turbidity:																												
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Detergents: -- mg/L	Stains:																												
	Non-illicit:																												
Graffiti:	None																												
Erosion:	None																												
Deposition:	Moderate 9 in.																												
Damage:	None																												
			 o20120927115922.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																										

Inspection Date: 5/30/2012 1:02:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																									
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 16-1508 US1.																										
Submerged: Partially Depth (in): 33																													
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location:	Floatables:	Total Chlorine: -- ppm	Odor:	Free Chlorine: -- ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: -- units	Gross Solids:	Temperature -- °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: -- mg/L	Stains:		Non-illicit:	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Sample Location:	Floatables:																												
Total Chlorine: -- ppm	Odor:																												
Free Chlorine: -- ppm	Turbidity:																												
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Conductivity: -- µS/cm	Benthic Growth:																												
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	Non-illicit:																												
Graffiti:	None																												
Erosion:	None																												
Deposition:	None in.																												
Damage:	None																												
			 o20120530120256.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																										

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-1508

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20181025090222.JPG

Outfall Notes:

Upstream manhole located approx 83 ft SW of outfall 16-487. Intermediate area consists of open space. Replaces 16-487 US1 (2011).

County Coordinates:

Northing: 477,118

Easting: 782,694

Latitude/Longitude:

Latitude: 44.02834

Longitude: -88.57720

Location Map**Inspection Date:** 10/25/2018 9:04:43 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 39

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

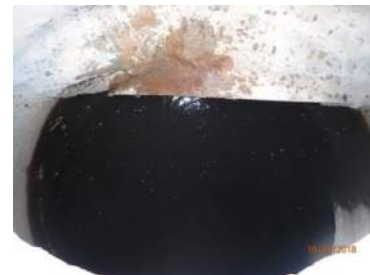
Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20181025090232.JPG

2018**Sampling Results**

Sample Location: Pool

Sample ID: 181025-51

Time Collected: 09:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.01 units


Temperature (field): 51 °F

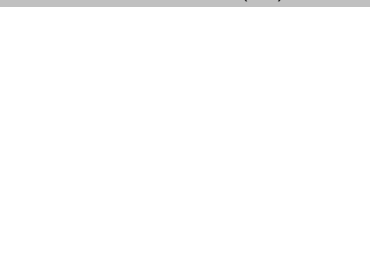
Conductivity (field): 1305 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/17/2017 10:59:29 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 26		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.05 units Temperature: 65 °F Conductivity: 1230 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Sample collected from submerged pool in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20171017105014.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2017</div>	


Inspection Date: 10/18/2016 7:44:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 29		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 64 °F Conductivity: 1020 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161018073934.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2016</div>	


Inspection Date: 9/28/2015 7:00:26 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 23		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 7.28 units Temperature: 69 °F Conductivity: 1032 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Elevated ammonia.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150928060258.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2015</div>	

Inspection Date: 10/7/2014 11:02:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 8.1 units Temperature: -- °F Conductivity: 1387 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Elevated ammonia. Park restrooms shut down for season.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20141007095952.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2014</div>	

Inspection Date: 9/5/2013 12:37:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2012 ammonia detection follow-up.																																												
Submerged: Partially Depth (in): 27																																															
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0.5 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.82 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>86 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>754 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0.5 ppm	Color:	None	pH:	7.82 units	Gross Solids:	None	Temperature	86 °F	Vegetation:	None	Conductivity:	754 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
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Deposition:	None in.																																														
Damage:	None																																														
			 o20130905114422.JPG <div style="text-align: right; font-weight: bold; font-size: 1.2em;">2013</div>																																												

Inspection Date: 9/27/2012 12:51:46 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Ammonia detection follow-up.																																												
Submerged: Partially Depth (in): 9																																															
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>3 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.8 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>65 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1408 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	3 ppm	Color:	None	pH:	7.8 units	Gross Solids:	None	Temperature	65 °F	Vegetation:	None	Conductivity:	1408 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
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Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None in.																																														
Damage:	None																																														
			 o20120927115358.JPG <div style="text-align: right; font-weight: bold; font-size: 1.2em;">2012</div>																																												

Inspection Date: 6/6/2012 11:27:15 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Ammonia detection follow-up. Limited screening conducted.																																												
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Deposition:	None in.																																														
Damage:	None																																														
			 o20120606102704.JPG <div style="text-align: right; font-weight: bold; font-size: 1.2em;">2012</div>																																												

Inspection Date: 5/30/2012 1:14:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	Notes 																																												
Submerged: Partially Depth (in): 29																																															
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Deposition:	None in.																																														
Damage:	None																																														
			 o20120530121440.JPG <div style="text-align: right; font-weight: bold; font-size: 1.2em;">2012</div>																																												

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20181024145056.JPG

Outfall Notes:

Detention basin discharges to railroad right-of-way via grass swale.

County Coordinates:

Northing: 462,909

Easting: 775,247

Latitude/Longitude:

Latitude: 43.98934

Longitude: -88.60544

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/24/2018 2:53:41 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from flow at end of pipe.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Moderate

Stains: None

Non-illicit: None

☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☒ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

o20181024145100.JPG

2018

Sampling Results

Sample Location: Flow

Sample ID: 181024-90

Time Collected: 14:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.05 units

Temperature (field): 53 °F

Conductivity (field): 531 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

Inspection Date: 7/30/2013 9:47:56 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results		Notes No upstream screening point - sample collected from outfall pool.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.46 units	Gross Solids: None			
Temperature 72 °F	Vegetation: None			
Conductivity: 804 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



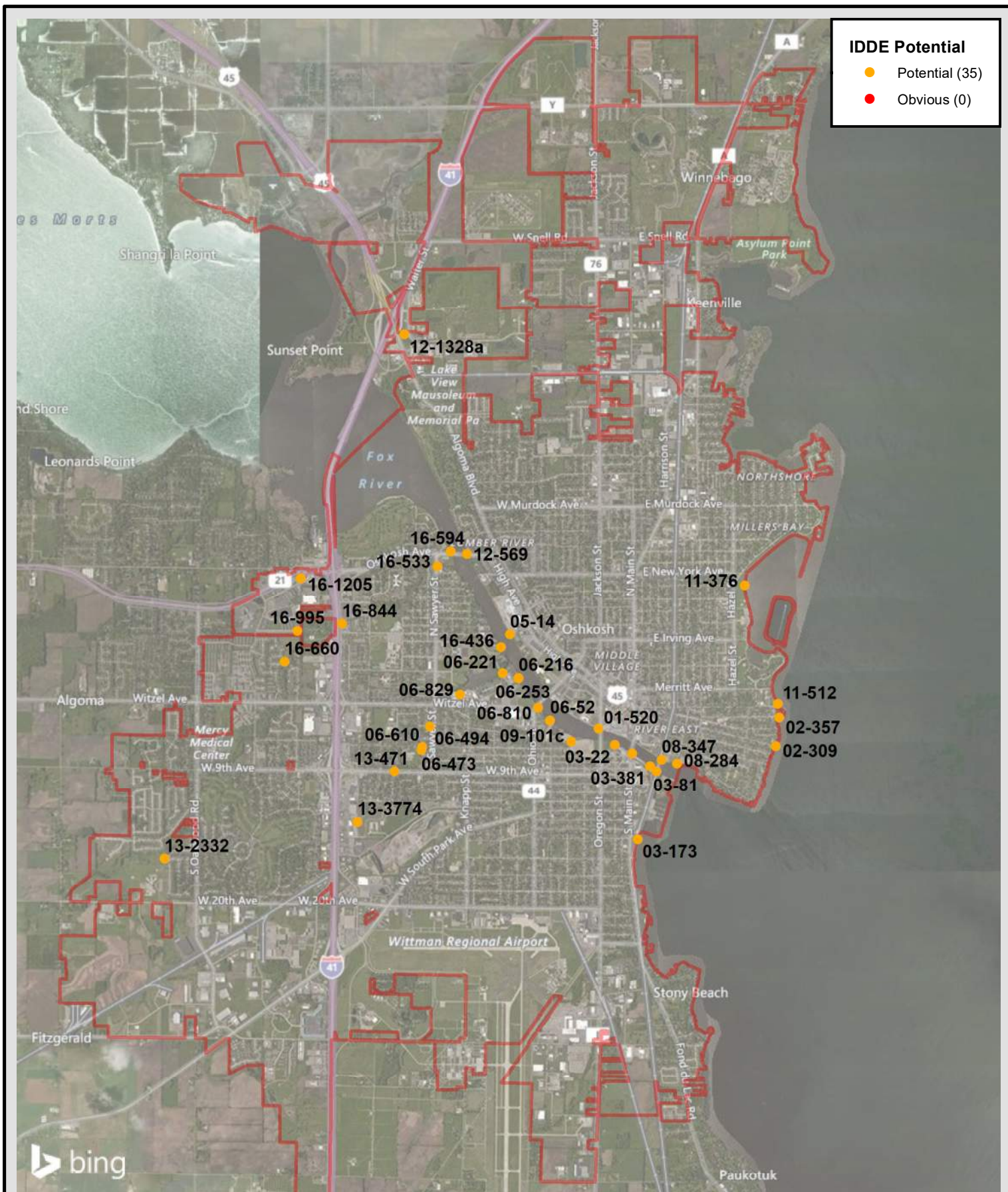
o20130730085048.JPG

2013

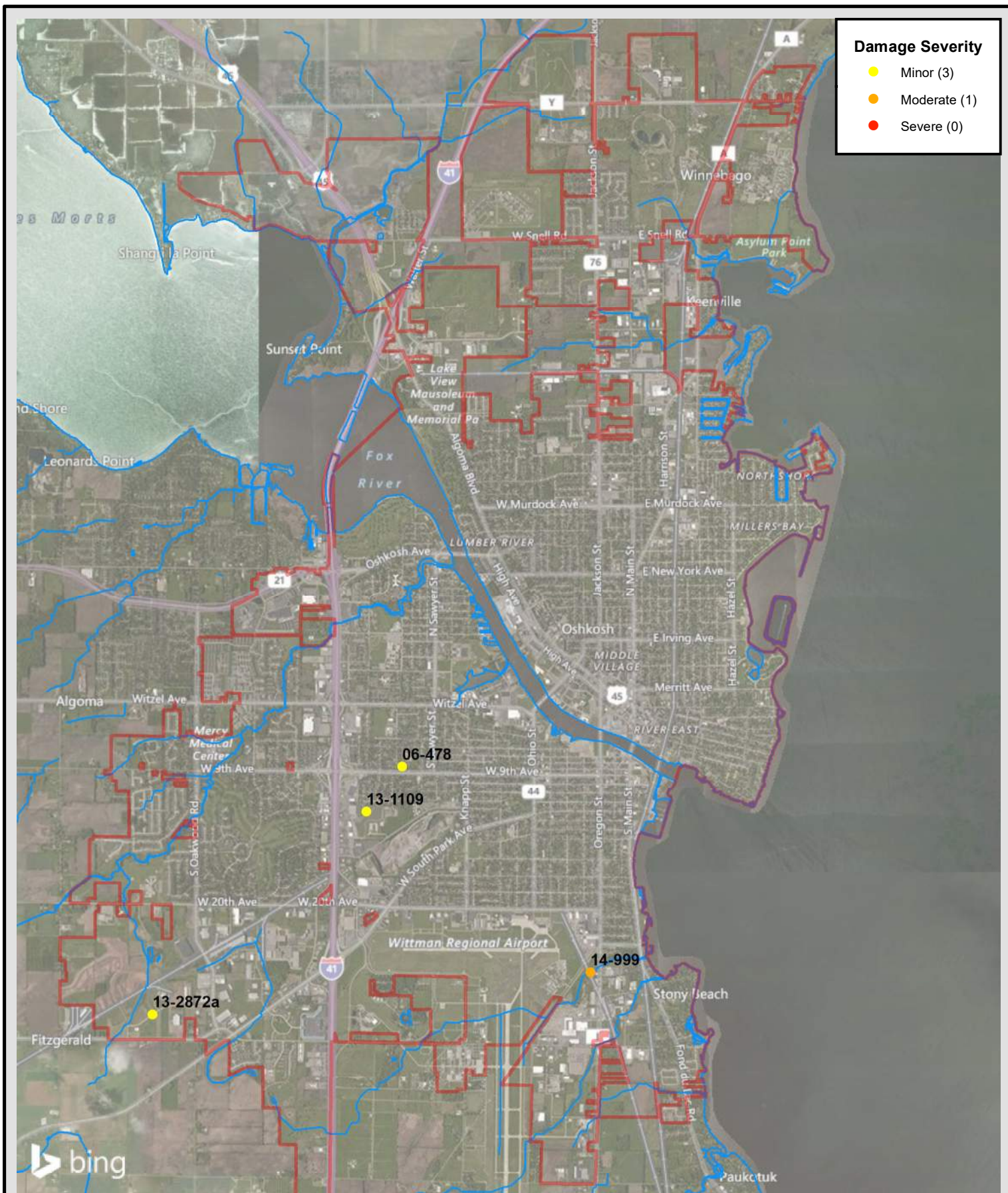
Appendix C

Outfall Condition Summary Maps

- C-1 Outfalls with Potential Illicit Discharges
- C-2 Outfalls with Damage
- C-3 Outfalls with Deposition
- C-4 Outfalls with Erosion
- C-5 Outfalls with Graffiti



 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2018 IDDE ONGOING SCREENING PROGRAM</p> <p>OUTFALLS WITH POTENTIAL</p> <p>ILLICIT DISCHARGES</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>		Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 5,047'
				Date: 1/23/2018	
				FIGURE NO. C-1	



Omni
ASSOCIATES

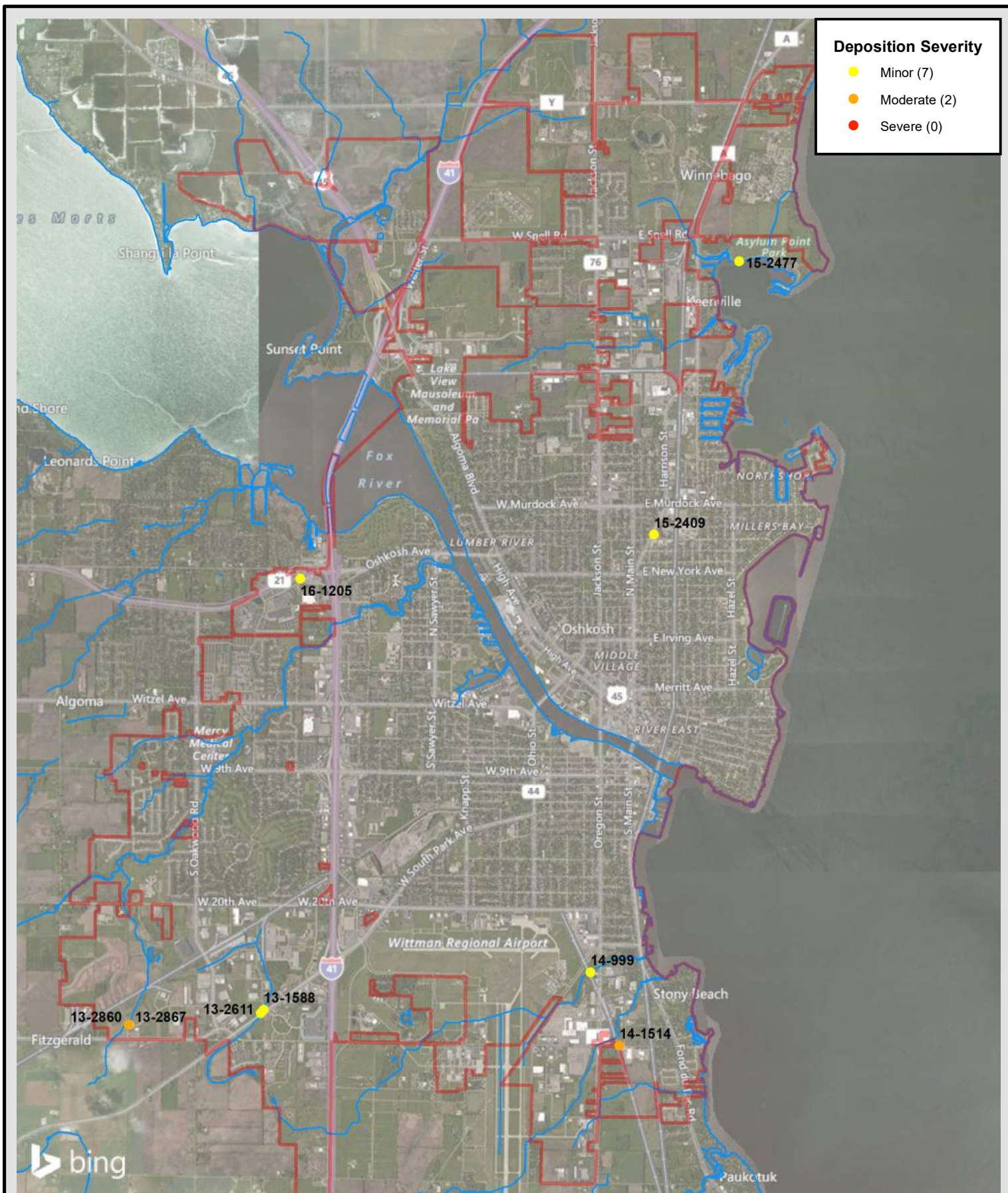
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100



2018 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH DAMAGE

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW	SCALE: 1" = 7,000'
Project Engineer: JCW	PROJECT NO. N2029C18
Drawn By: JCW	FIGURE NO. C-2
Checked By: BDW	
Date: 1/15/2019	



Deposition Severity

- Minor (7)
- Moderate (2)
- Severe (0)

Omni
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100



2018 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DEPOSITION

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/15/2019

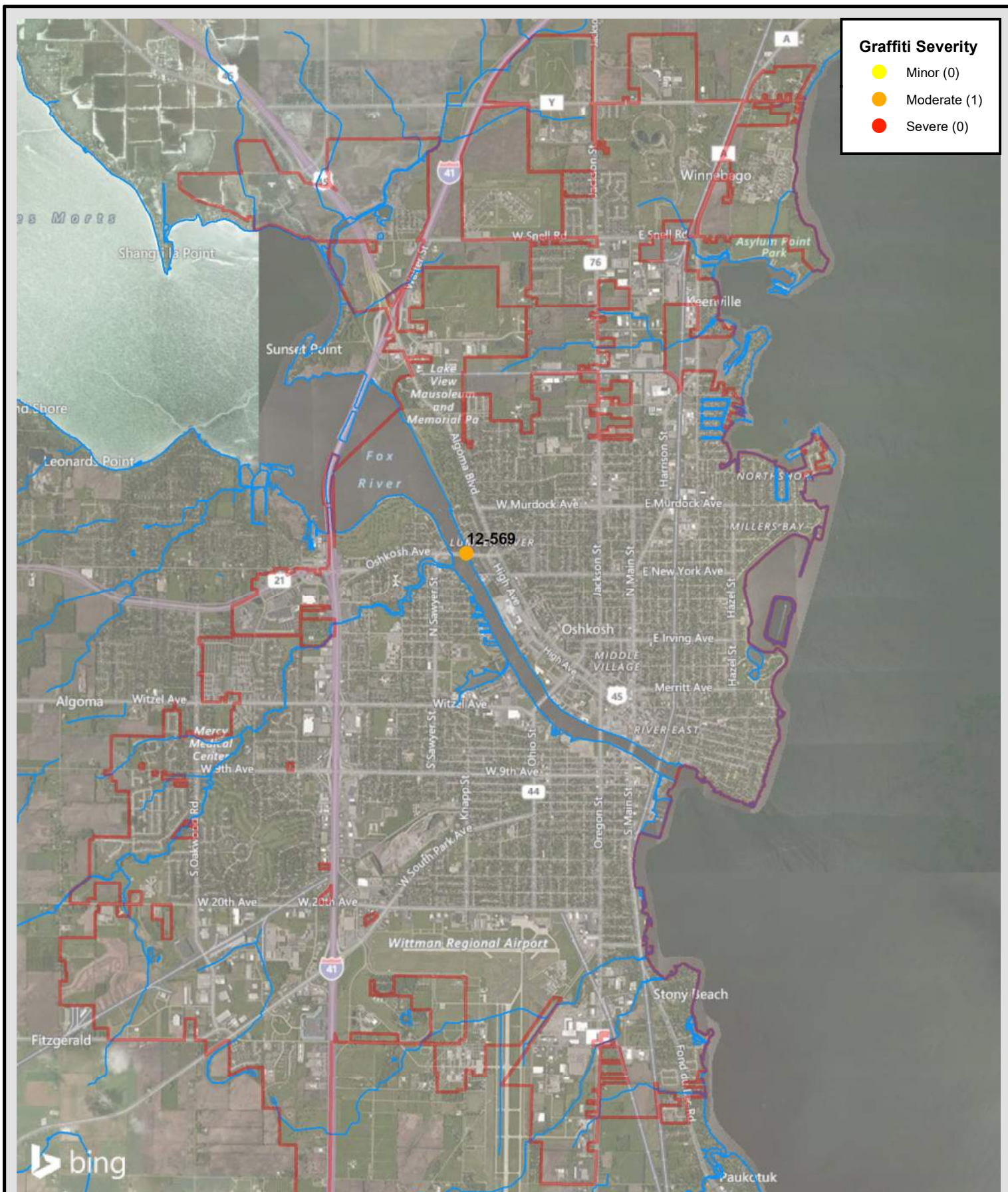
SCALE:
1" = 7,000'

PROJECT NO.
N2029C18

FIGURE NO.
C-3



 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2018 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH EROSION</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p>	<p>SCALE: 1" = 7,000'</p> <p>PROJECT NO. N2029C18</p> <p>FIGURE NO. C-4</p>
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 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2018 IDDE ONGOING SCREENING PROGRAM</p> <p>OUTFALLS WITH GRAFFITI</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p> <p>Date: 1/23/2018</p>	<p>SCALE: 1" = 7,000'</p> <p>PROJECT NO. N2029C18</p> <p>FIGURE NO. C-5</p>
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Appendix D




























Additional Information for Outfalls with Potential Illicit Discharges





































Upstream Manholes with Significant Floatable Debris
Area Maps for Outfalls with Potential Illicit Discharges






























Table 1 - History of manholes with significant gross solids

























Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
01-132 US1 (01-132)												
01-520 US1 (01-520)												Potential
01-642 US1 (01-642)												
02-309 US1 (02-309)												Potential
02-357 US1 (02-357)												Potential
03-22 US1 (03-22)												Potential





















Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
03-35 US1 (03-35)												Potential
03-81 US1 (03-81)												Potential)
03-173 US1 (03-170)		Screened at US2	Screened at US2				Screened at US2	Screened at US2	Screened at US2	Screened at US2		Potential
03-173 US2 (03-170)											Screened at US1	
03-381 US1 (03-381)												Potential
05-14 US1 (05-14)												Potential

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
05-264 US1 (05-264)												
06-52 US1 (06-52)												Potential
06-221 US1 (06-221)												Potential
06-560 US1 (06-560)		(outfall removed and replaced with outfall 06-2241)										
06-829 US1 (06-831)												Potential
06-1028 US1 (06-1028)												

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
06-1694 US1 (06-1694)												
08-284 US1 (08-284)												Potential
08-347 US1 (08-347)												Potential
08-364 US1 (08-364)										(not screened due to construction)		
09-101c US1 (09-47)												Potential
11-376 US1 (11-376)												Potential

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
11-465 US1 (11-465)		(outfall removed and replaced with pump station/outfall 11-465a)										
11-512 US1 (11-512)												Potential
12-569 US1 (12-569)												Potential
12-576 US1 (12-576)												Unlikely
14-1075 US1 (14-1075)												
15-636 US1 (15-2650)												

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
16-28 US1 (16-28)												
16-71 US1 (16-71)												
16-142 US1												Unlikely
16-201 US1												
16-396 US1 (16-396)							(Behind locked fence – manhole not screened)					
16-436 US1 (16-436)							(Behind locked fence – manhole not screened)					Potential

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2018 IDDE Potential
16-463 US1												
16-533 US1 (16-533)												Potential
16-551 US1 (16-551)												
16-594 US1 (16-594)												Potential

Parcels

Storm Sewer

Major Outfall

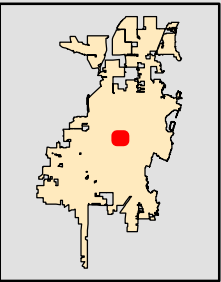
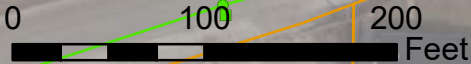
Major Outfall - Alternate Location

Minor Outfall

Minor Outfall - Alternate Location

Supplemental Outfall

Supplemental Outfall - Alternate Location



W

N

E

S

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019

2018 IDDE ONGOING SCREENING PROGRAM

OUTFALL 06-253

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Omni

ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

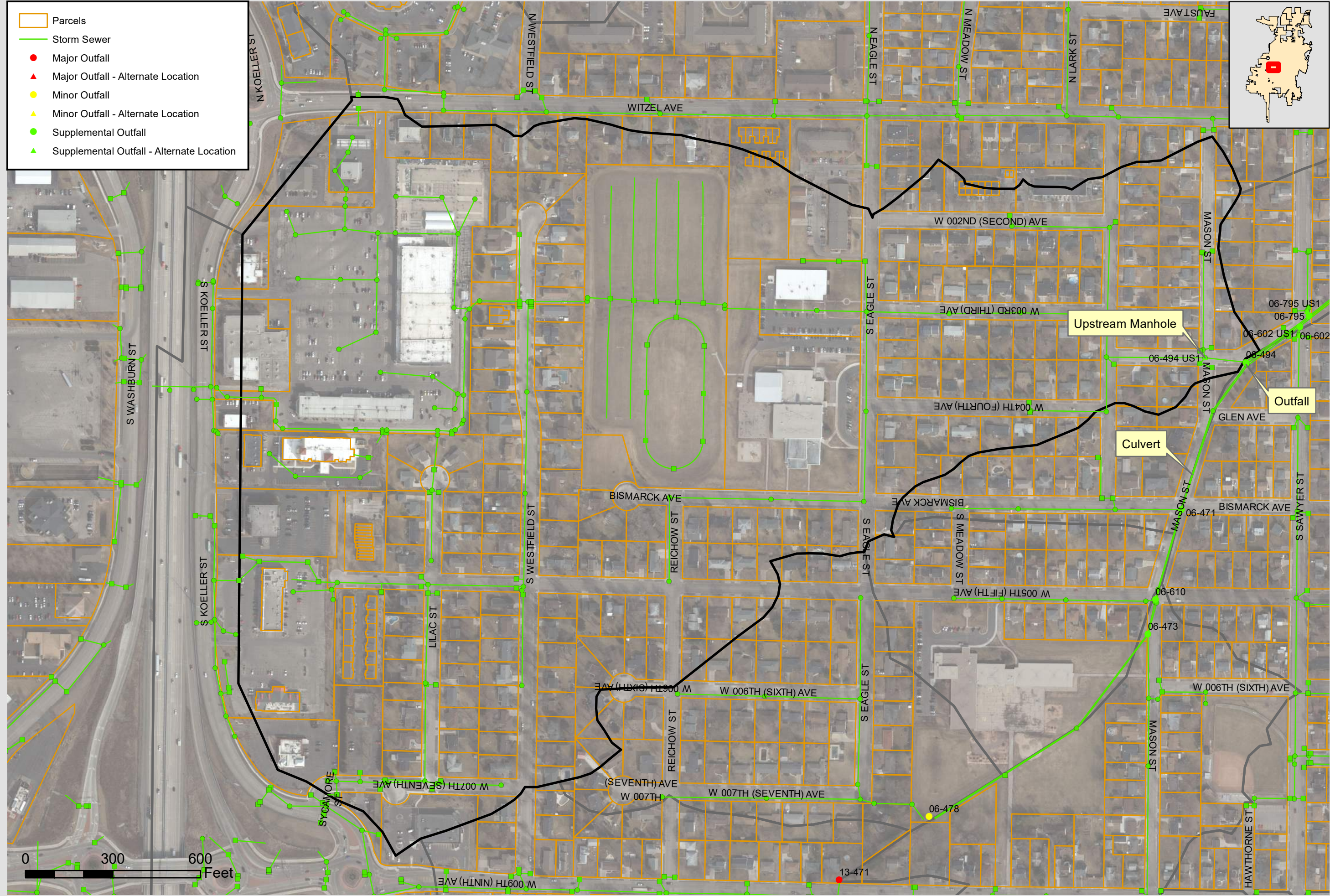
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE:
1" = 100'

PROJECT NO.
N2029C18

FIGURE NO.
06-253

F:\EN\VIRO\IDDE\GIS_Oshkosh\06-253.mxd



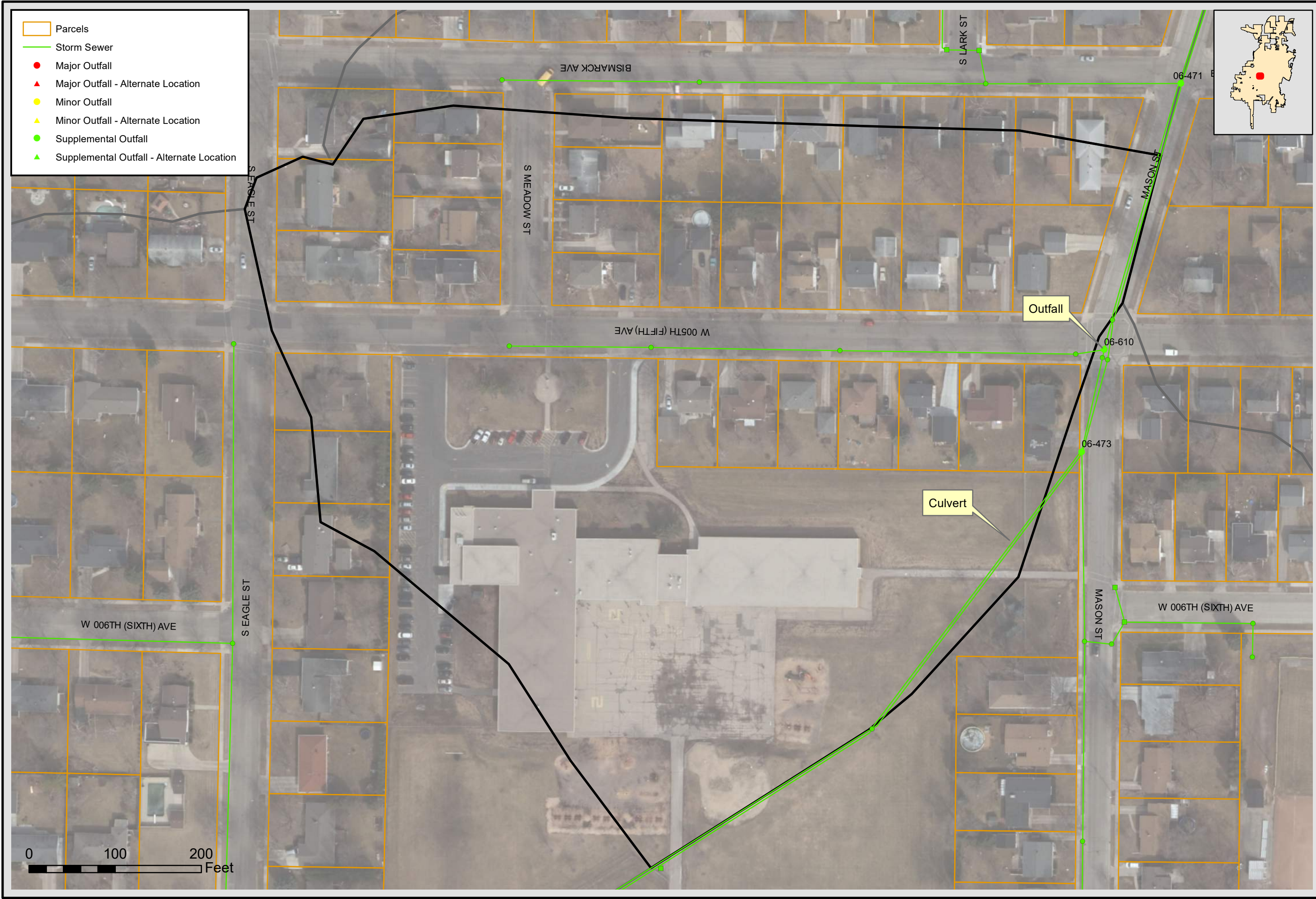
2018 IDDE ONGOING SCREENING PROGRAM
OUTFALL 06-494

Omni
ASSOCIATES
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

SCALE:
1" = 300'
PROJECT NO.
N2029C18
FIGURE NO.
06-494

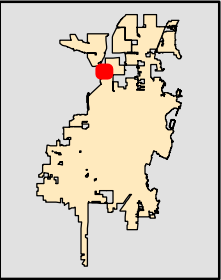
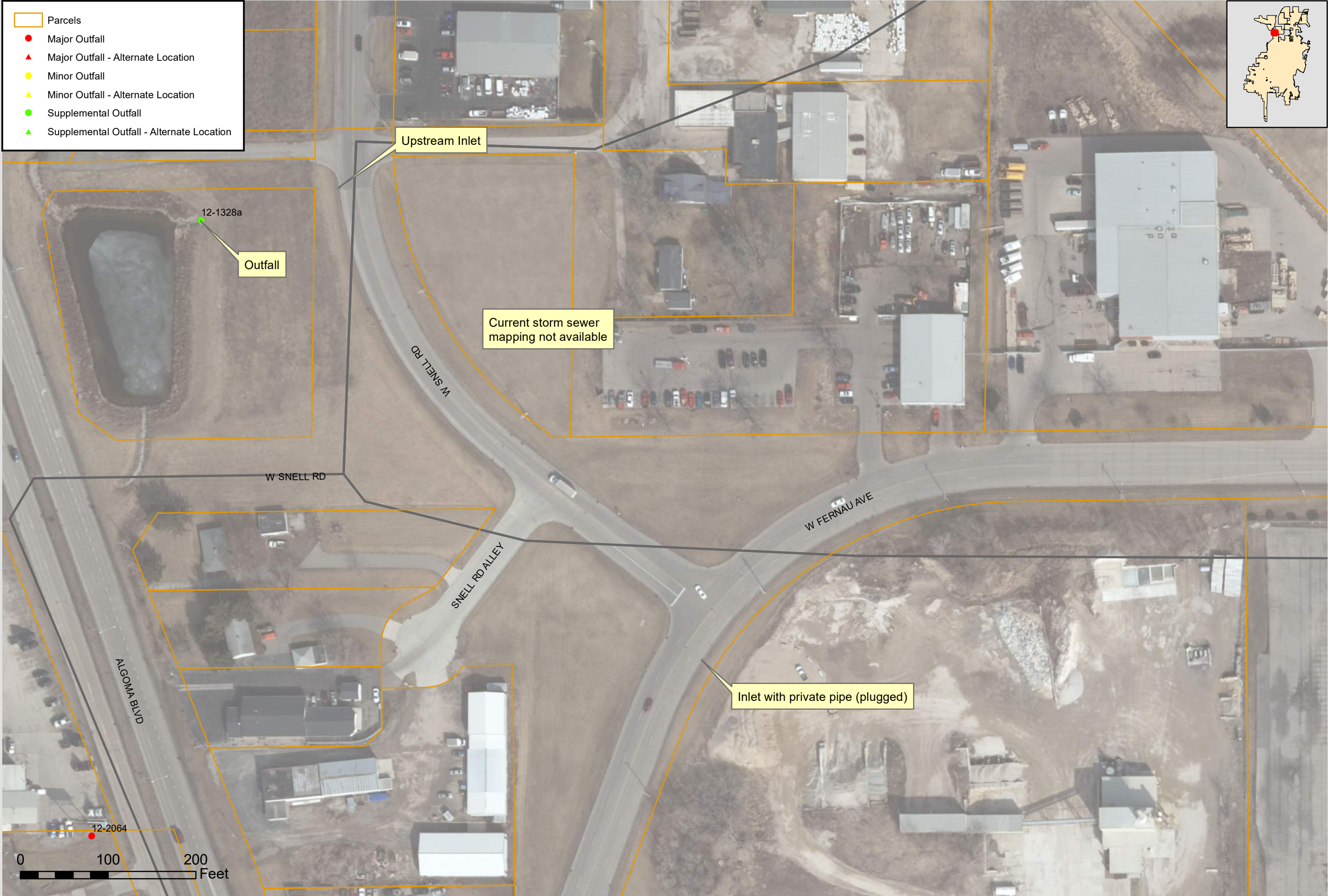
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019





Project Manager: BDW	Date: 1/18/2019
Project Engineer: JCW	Drawn By: JCW
Checked By: BDW	
2018 IDDE ONGOING SCREENING PROGRAM	
OUTFALL 06-610	
CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN	
ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100	
SCALE: 1" = 100'	
PROJECT NO. N2029C18	
FIGURE NO. 06-610	

- Parcels
- Major Outfall
- Major Outfall - Alternate Location
- Minor Outfall
- Minor Outfall - Alternate Location
- Supplemental Outfall
- Supplemental Outfall - Alternate Location



Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019

2018 IDDE ONGOING SCREENING PROGRAM

OUTFALL 12-1328a

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Omni

ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

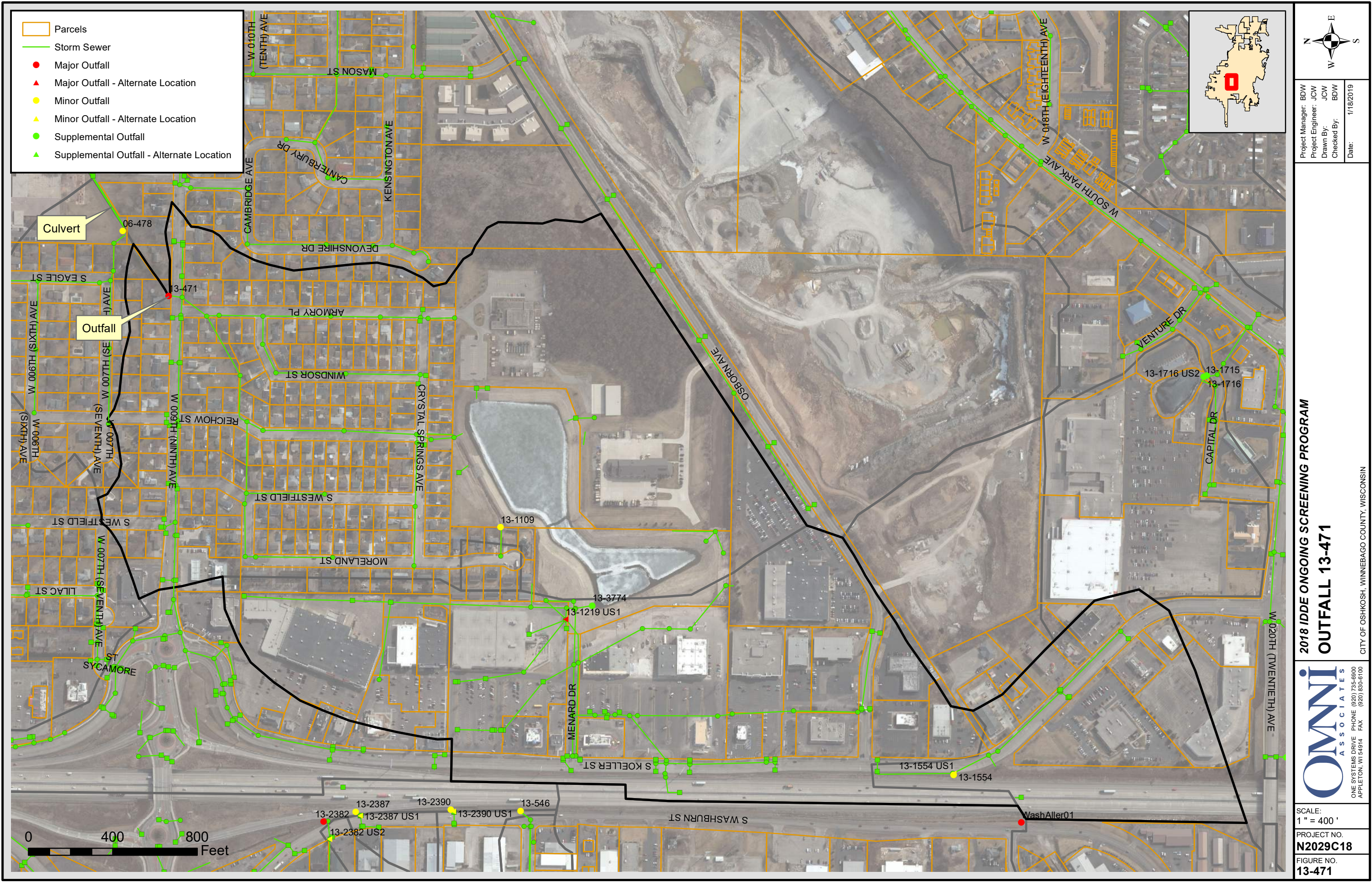
PHONE (920) 735-6900
FAX (920) 830-6100

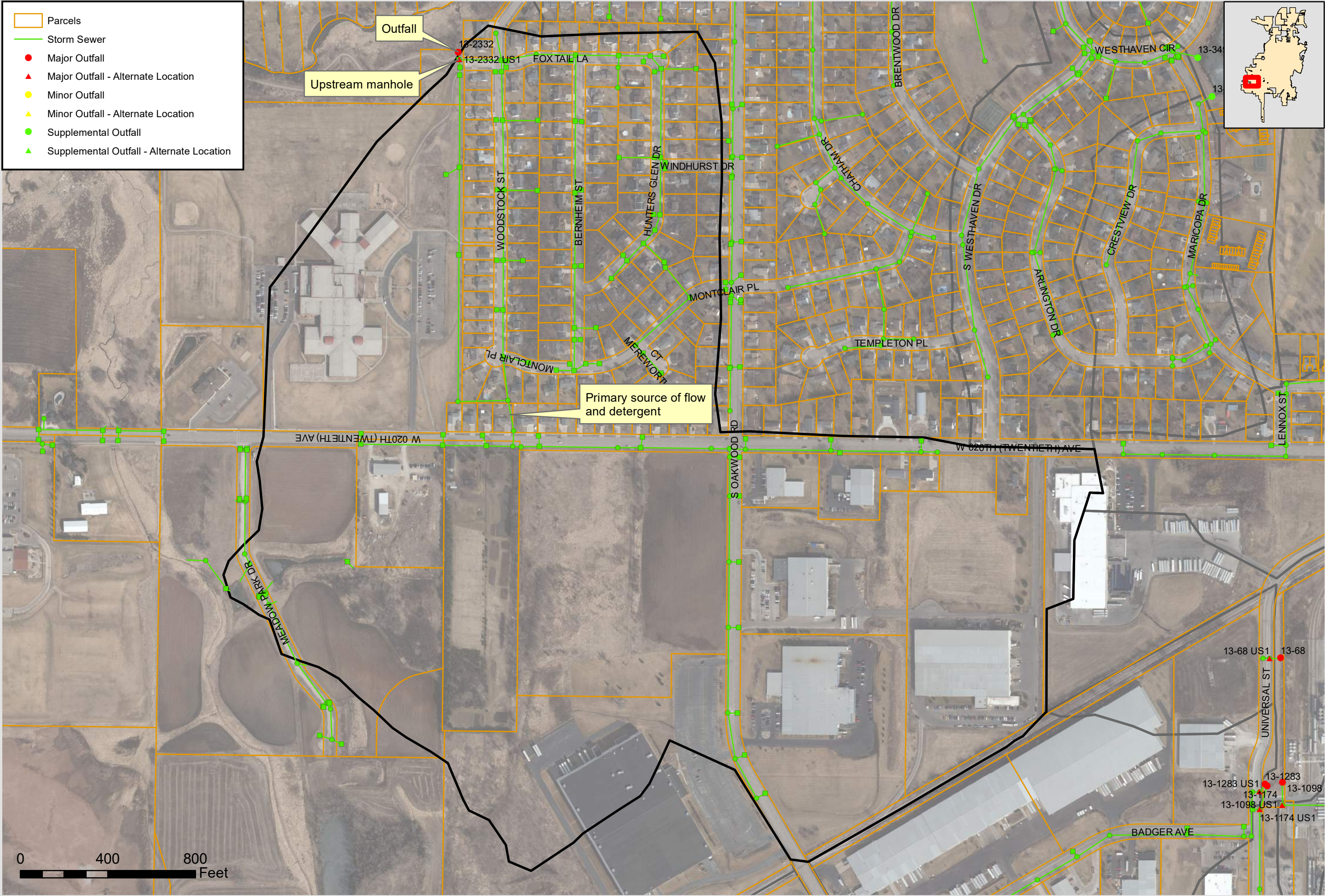
SCALE:
1" = 100'

PROJECT NO.
N2029C18

FIGURE NO.
12-1328a

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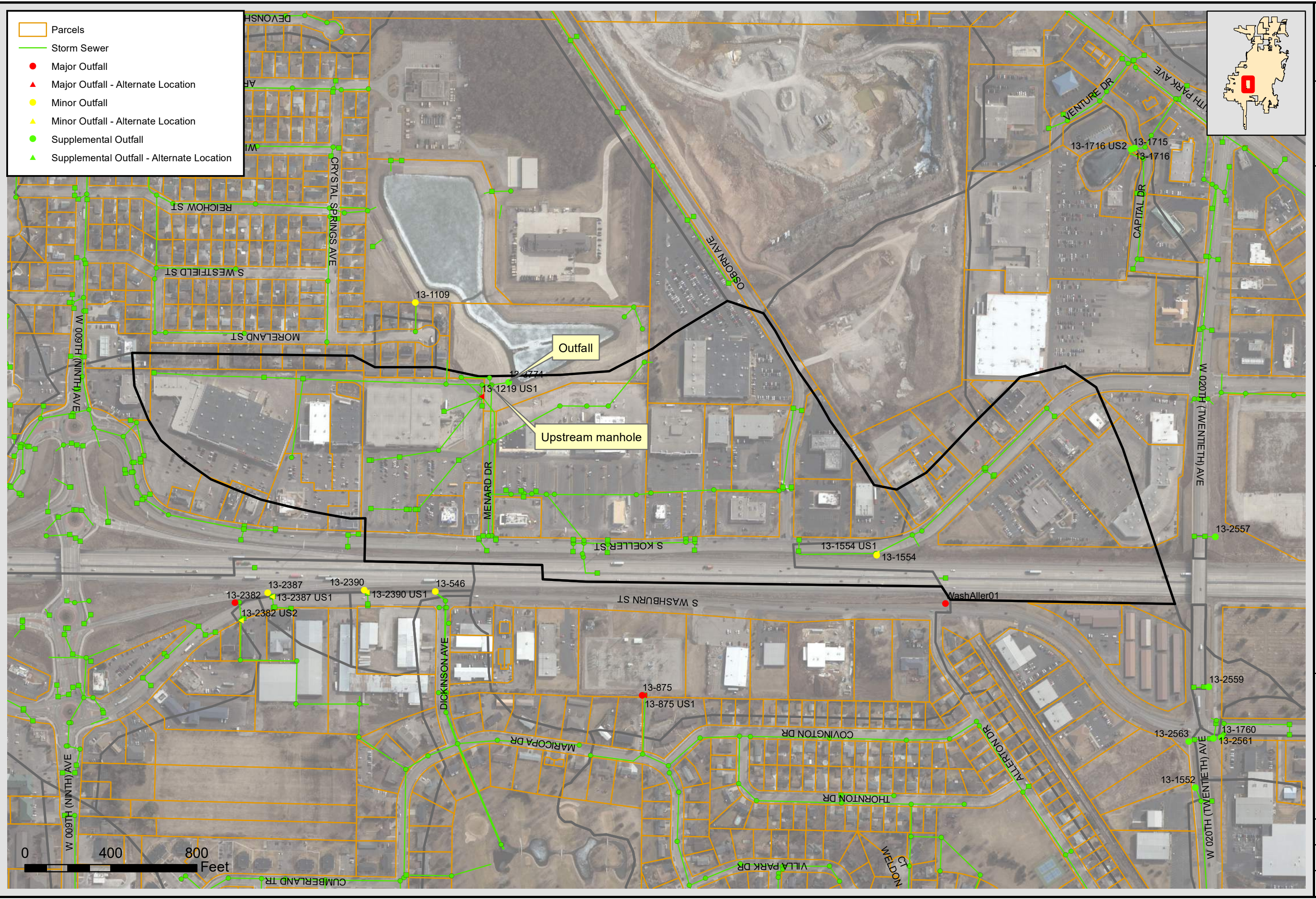
2018 IDDE ONGOING SCREENING PROGRAM
OUTFALL 13-2332



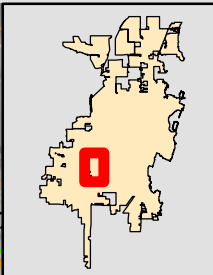
SCALE:
1" = 400'
PROJECT NO.
N2029C18
FIGURE NO.
13-2332

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019





- Parcels
- Storm Sewer
- Major Outfall
- Major Outfall - Alternate Location
- Minor Outfall
- Minor Outfall - Alternate Location
- Supplemental Outfall
- Supplemental Outfall - Alternate Location



Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019

2018 IDDE ONGOING SCREENING PROGRAM
OUTFALL 13-3774

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN



SCALE:
1" = 400'
PROJECT NO.
N2029C18
FIGURE NO.
13-3774

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Parcels

Storm Sewer

Major Outfall

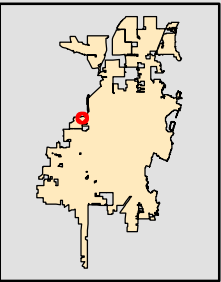
Major Outfall - Alternate Location

Minor Outfall

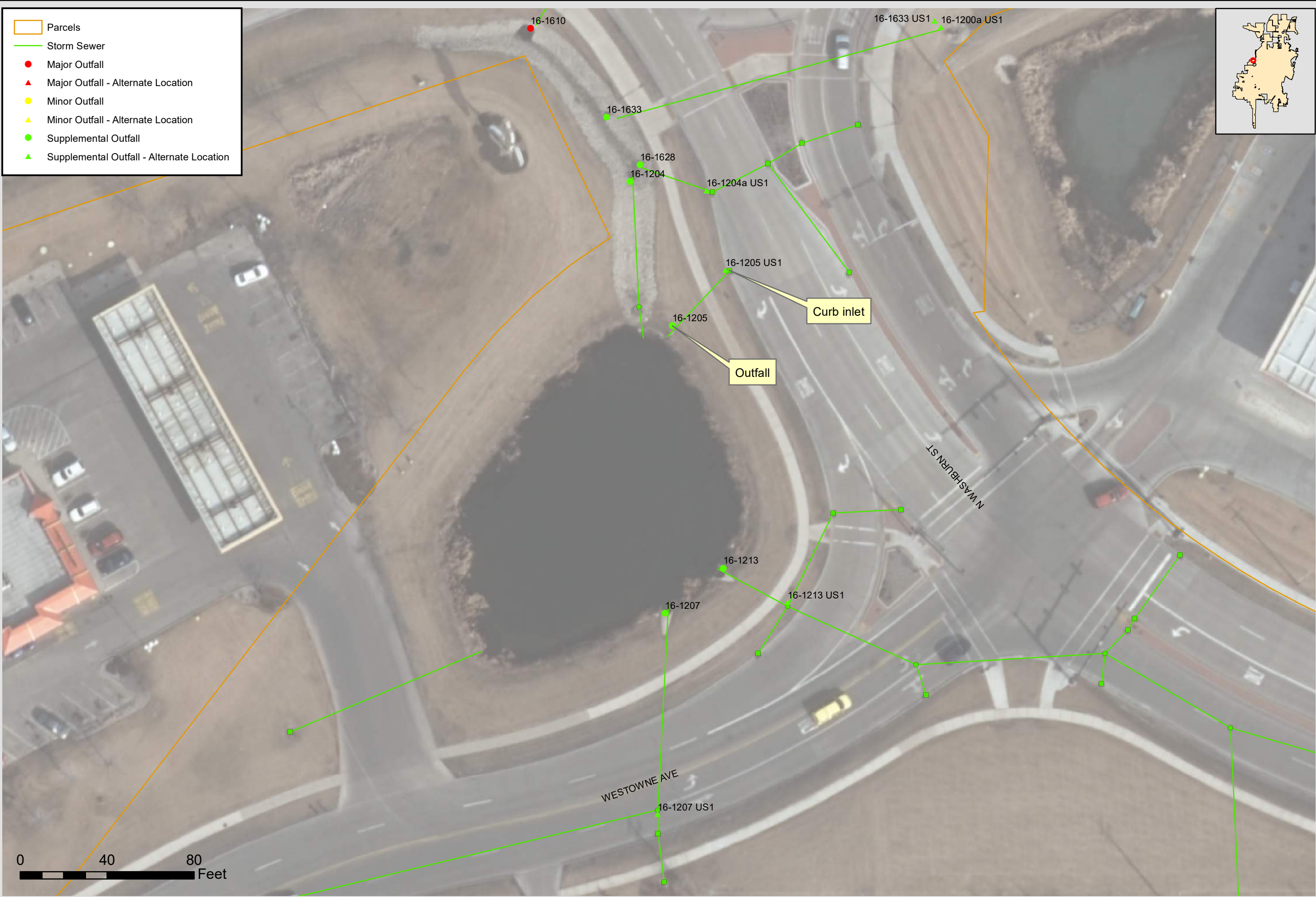
Minor Outfall - Alternate Location

Supplemental Outfall

Supplemental Outfall - Alternate Location



Project Manager: BDW	Project Engineer: JCW	Drawn By: JCW	Checked By: BDW	Date: 1/18/2019
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2018 IDDE ONGOING SCREENING PROGRAM
OUTFALL 16-1205

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Omni

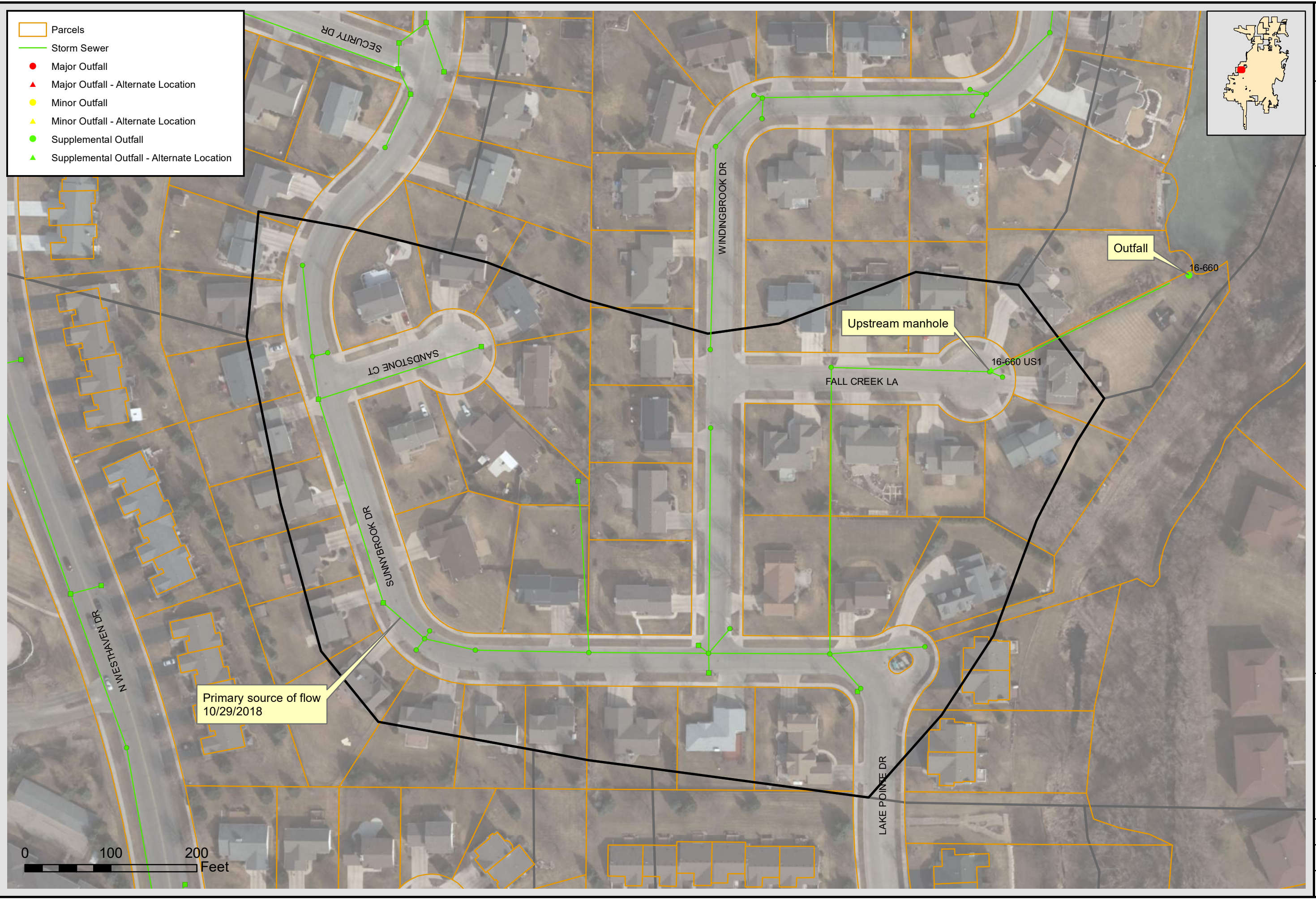
ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

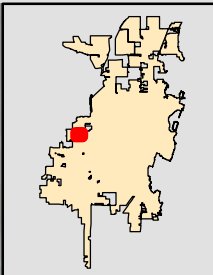
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE: 1" = 40'	PROJECT NO. N2029C18
FIGURE NO. 16-1205	

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- Parcels
- Storm Sewer
- Major Outfall
- Major Outfall - Alternate Location
- Minor Outfall
- Minor Outfall - Alternate Location
- Supplemental Outfall
- Supplemental Outfall - Alternate Location



Project Manager: BDW	Project Engineer: JCW	Drawn By: JCW	Checked By: BDW	Date: 1/18/2019
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2018 IDDE ONGOING SCREENING PROGRAM
OUTFALL 16-660
CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

OMNI ASSOCIATES

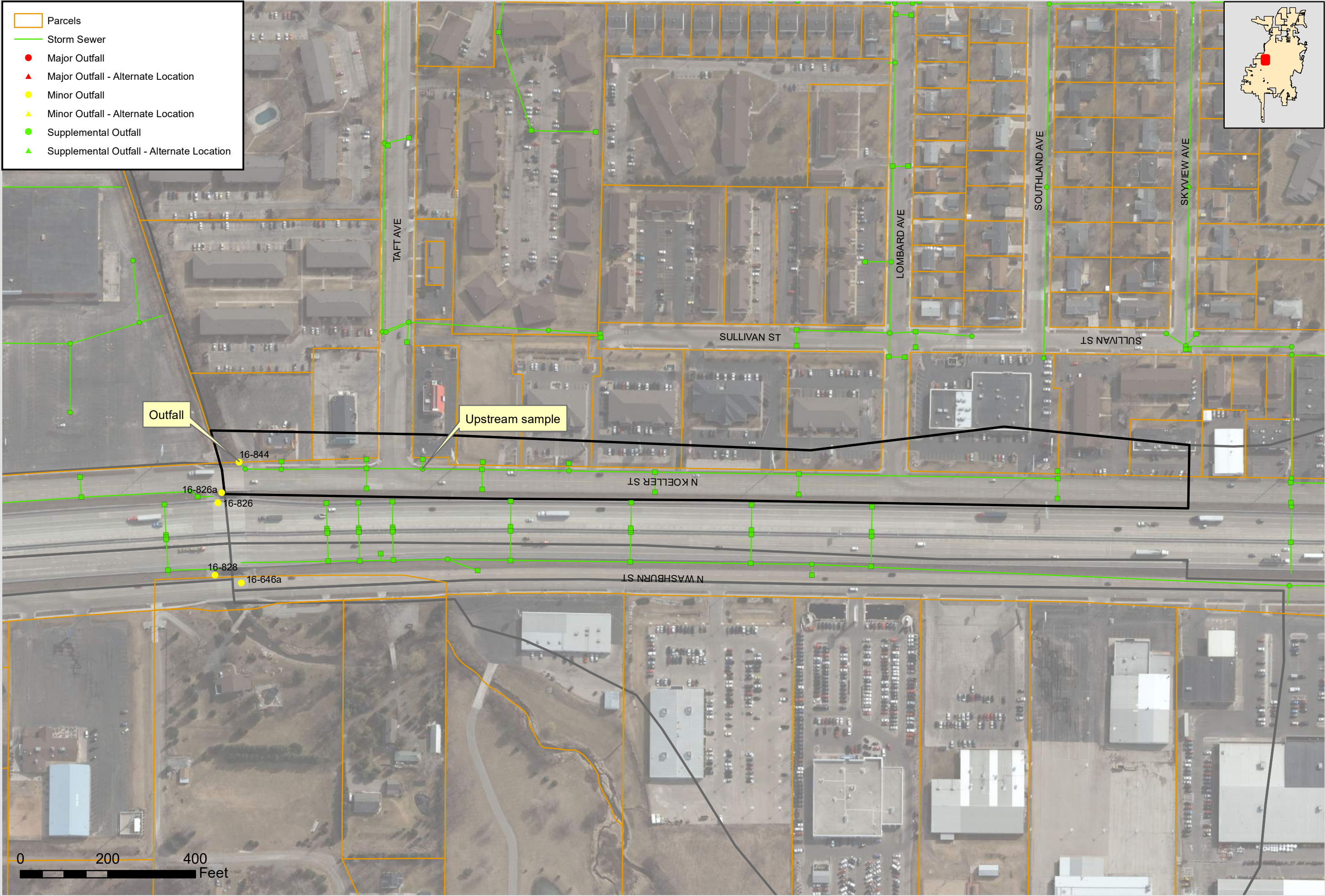
ONE SYSTEMS DRIVE
APPLETON, WI 54914

PHONE (920) 735-6900
FAX (920) 830-6100

SCALE: 1" = 100'
PROJECT NO. N2029C18
FIGURE NO. 16-660



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2018 IDDE ONGOING SCREENING PROGRAM

OUTFALL 16-844

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Omni
ASSOCIATES

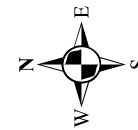
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

SCALE:
1" = 200'

PROJECT NO.
N2029C18

FIGURE NO.
16-844

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/18/2019



Appendix E

MS4 Outfall Screening History/Schedule

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
P	01-520	P	P	P	P	x
P	02-357	P	P	P	P	x
P	03-22	P	P	P	P	x
P	03-35	P	P	P	P	x
P	03-81	U	P	P	P	x
P	03-173	P	P	P	P	x
P	03-381	P	P	P	P	x
P	05-14	P	P	P	P	x
P	05-241	U	U	P	U	x
P	06-52	P	P	P	P	x
P	06-221		P	P	P	x
P	06-253	U	U	P	P	x
P	06-810	U	U	U	P	x
P	08-284	P	P	P	P	x
P	08-347	P	P	P	P	x
P	11-376	P	P	P	P	x
P	11-512	P	P	P	P	x
P	12-569	P	P	P	P	x
P	12-1328a	O	P	P	P	x
P	13-1716	U	U	P	U	x
P	13-1758	U	U	U	U	x
P	13-2957	U	U		U	x
P	13-3774	U	U	U	P	x
P	14-582	U	U	U	U	x
P	14-999	U	U	U	U	x
P	15-1093	U		U	U	x
P	16-142	P	P	U	U	x
P	16-533	P	P	U	P	x
P	16-844	U	U	U	P	x
P	16-1205	U	U	U	P	x
P	16-1508	P	U	U	U	x
NPM	01-360	U				
NPM	01-642	P	P	U		
NPM	03-119	U	U	U	U	
NPM	03-293		U			
NPM	05-155	U				
NPM	05-216	U				
NPM	06-1132			U		
NPM	06-1136			U		
NPM	06-1601			U		
NPM	06-1746			P	U	
NPM	06-2241				U	
NPM	06-2380	U				
NPM	09-32					
NPM	09-84					
NPM	09-101a	U	U	U	U	
NPM	09-101b				U	
NPM	11-173		U			
NPM	11-400		U			
NPM	11-465a		U			
NPM	11-479		U			

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	12-576	U	U	U	U	
NPM	12-2042	U				
NPM	12-890	U				
NPM	12-925	U				
NPM	13-68	U				
NPM	13-101					x
NPM	13-337					
NPM	13-471				P	r
NPM	13-1098	U	U	U	U	
NPM	13-1106	U				
NPM	13-1174	U				
NPM	13-1242					x
NPM	13-1283	U				
NPM	13-1769	U				
NPM	13-2332				P	r
NPM	13-2382				U	
NPM	13-2611				U	
NPM	13-2613				U	
NPM	13-2736					x
NPM	13-2822b					x
NPM	13-2872b				U	
NPM	14-188		U			
NPM	14-331		U			
NPM	14-400		U			
NPM	14-595			U		
NPM	14-635			U		
NPM	14-644			U		
NPM	14-645			U		
NPM	14-659			U		
NPM	14-670			U		
NPM	14-676			U		
NPM	14-766			U		
NPM	14-996			U		
NPM	14-1007			U		
NPM	15-636		P	U		
NPM	15-744		U			
NPM	15-787		U			
NPM	15-910		U			
NPM	15-940		U			
NPM	15-959		U			
NPM	15-1032					x
NPM	15-1067					x
NPM	15-1095					x
NPM	15-1219					x
NPM	15-1248					x
NPM	15-1263					x
NPM	15-1277		U			
NPM	15-1817		U			
NPM	15-1889					x
NPM	15-2108					x
NPM	15-2243					x

City of Oshkosh
MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	15-2404a					x
NPM	15-2477	U	U	U	U	
NPM	15-2790					x
NPM	16-1610					x
NPM	16-295	U				
NPM	16-389	U				
NPM	16-436				P	r
NPM	FernauPond	U				
NPM	OakwoodPondOut				U	
NPM	WashAller01					
NPNM	01-20	U	U	U	U	
NPNM	01-35	U	U	U	U	
NPNM	01-278	U	U	U	U	
NPNM	01-132					
NPNM	01-318	P	U			
NPNM	01-380	U				
NPNM	02-105	U				
NPNM	02-309	P	P	P	P	r
NPNM	02-322	U				
NPNM	02-324	U				
NPNM	03-306				U	
NPNM	03-379				U	
NPNM	03-382				U	
NPNM	03-385				U	
NPNM	03-387				U	
NPNM	03-392					x
NPNM	05-264a	U				
NPNM	06-3			U		
NPNM	06-65			U		
NPNM	06-154					
NPNM	06-216				P	r
NPNM	06-471				U	
NPNM	06-473				P	r
NPNM	06-478				U	
NPNM	06-494				P	r
NPNM	06-588				U	
NPNM	06-602				U	
NPNM	06-610				P	r
NPNM	06-622a			U		
NPNM	06-729				U	
NPNM	06-745					
NPNM	06-795				U	
NPNM	06-798					
NPNM	06-829				P	r
NPNM	06-880			U		
NPNM	06-961			U		
NPNM	06-968			U		
NPNM	06-977			U		
NPNM	06-1028		P	U		
NPNM	06-1083			U		
NPNM	06-1090			U		

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	06-1149			U		
NPNM	06-1159					
NPNM	06-1161					
NPNM	06-1210			U		
NPNM	06-1211			U		
NPNM	06-1371			P		
NPNM	06-1371a			U		
NPNM	06-1373			U		
NPNM	06-1477			U		
NPNM	06-1495			U		
NPNM	06-1562				U	
NPNM	06-1619					
NPNM	06-1633					
NPNM	06-1636					
NPNM	06-1694					
NPNM	06-1814			U		
NPNM	06-1816			U		
NPNM	06-1986					
NPNM	08-55					
NPNM	08-100	U				
NPNM	08-162	U				
NPNM	08-270	U				
NPNM	08-271	U				
NPNM	08-279	U				
NPNM	08-285	U				
NPNM	08-350	U				
NPNM	08-364	P	P			
NPNM	08-369	U				
NPNM	08-395	U				
NPNM	08-937	U	U	U	U	
NPNM	08-1042	U				
NPNM	09-101c				P	r
NPNM	11-46					x
NPNM	11-64					x
NPNM	11-69					x
NPNM	11-71					x
NPNM	11-75					x
NPNM	11-79					x
NPNM	11-118					x
NPNM	11-177					x
NPNM	11-225					x
NPNM	11-244					x
NPNM	11-247					x
NPNM	11-318					x
NPNM	11-515					x
NPNM	11-801					x
NPNM	11-803					x
NPNM	11-805					x
NPNM	12-889	U				
NPNM	12-972	U				
NPNM	12-997	U				

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	12-1245					
NPNM	12-1261					
NPNM	12-1313	U	U	U	U	
NPNM	12-1414					
NPNM	12-1604					
NPNM	12-1676					
NPNM	12-1676a					
NPNM	12-1682					
NPNM	12-1692					
NPNM	12-1700					
NPNM	12-1711					
NPNM	12-1781	U				
NPNM	12-1793	U				
NPNM	12-1795	U				
NPNM	12-1916					
NPNM	12-2026	U				
NPNM	12-2034	U				
NPNM	12-2075					
NPNM	12-2079					
NPNM	12-2089					
NPNM	12-2092a					
NPNM	12-2093					
NPNM	12-2273					
NPNM	12-2297	U	U			
NPNM	12-2299	U	U			
NPNM	13-95					
NPNM	14-327					
NPNM	13-546					
NPNM	13-819					
NPNM	13-948					
NPNM	13-1109				U	
NPNM	13-1552					
NPNM	13-1554	U				
NPNM	13-1588	U	U	U	U	
NPNM	13-1673					
NPNM	13-1715					
NPNM	13-1718	U	U	U		
NPNM	13-1760					
NPNM	13-1766	U				
NPNM	13-1870					
NPNM	13-1957					
NPNM	13-2031					
NPNM	13-2135					
NPNM	13-2156					
NPNM	13-2387	U				
NPNM	13-2390	U				
NPNM	13-2455					
NPNM	13-2464					
NPNM	13-2527					
NPNM	13-2557					
NPNM	13-2559					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	13-2561					
NPNM	13-2563					
NPNM	13-2564					
NPNM	13-2596					
NPNM	13-2666					
NPNM	13-2768					
NPNM	13-2822				U	
NPNM	13-2860				U	
NPNM	13-2867				U	
NPNM	13-2872a				U	
NPNM	13-2872b				U	
NPNM	13-2886					
NPNM	13-3097					
NPNM	13-3099					
NPNM	13-3119					
NPNM	13-3127					
NPNM	13-3130					
NPNM	13-3162					
NPNM	13-3194					
NPNM	13-3204				U	
NPNM	13-3204b				U	
NPNM	13-3224				U	
NPNM	13-3243					
NPNM	13-3427					
NPNM	13-3431					
NPNM	13-3488				U	
NPNM	13-3497					
NPNM	13-3509					
NPNM	13-3636					
NPNM	13-3706					
NPNM	14-124					
NPNM	14-368					
NPNM	14-517					
NPNM	14-615					
NPNM	14-660					
NPNM	14-675					
NPNM	14-759					
NPNM	14-789					
NPNM	14-1075					
NPNM	14-1130					
NPNM	14-1133					
NPNM	14-1136					
NPNM	14-1138					
NPNM	14-1139					
NPNM	14-1218					
NPNM	14-1220					
NPNM	14-1222					
NPNM	14-1227					
NPNM	14-1253					
NPNM	14-1253b					
NPNM	14-1387					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	14-1514	U	U	U	U	
NPNM	14-1515					
NPNM	15-027					
NPNM	15-143	U	U	U	U	
NPNM	15-146	U	U	U	U	
NPNM	15-349					x
NPNM	15-350					x
NPNM	15-378					x
NPNM	15-399					
NPNM	15-488					
NPNM	15-571					
NPNM	15-573					
NPNM	15-687					x
NPNM	15-690					x
NPNM	15-692					x
NPNM	15-693					x
NPNM	15-798					
NPNM	15-804					x
NPNM	15-835					x
NPNM	15-840					
NPNM	15-858					
NPNM	15-863					
NPNM	15-865					
NPNM	15-895					
NPNM	15-905					
NPNM	15-965					
NPNM	15-1018					
NPNM	15-1020					x
NPNM	15-1106					
NPNM	15-1108	U	U	U	U	
NPNM	15-1110					
NPNM	15-1125					
NPNM	15-1127					
NPNM	15-1129					
NPNM	15-1132					
NPNM	15-1135					x
NPNM	15-1137					x
NPNM	15-1185					
NPNM	15-1187					
NPNM	15-1188					
NPNM	15-1217					
NPNM	15-1225					
NPNM	15-1237	U	U			
NPNM	15-1239					
NPNM	15-1287					
NPNM	15-1348					
NPNM	15-1494					x
NPNM	15-1702					
NPNM	15-1734					
NPNM	15-1746					
NPNM	15-1749					

City of Oshkosh
MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	15-1806					
NPNM	15-1807					
NPNM	15-1856					
NPNM	15-1891					
NPNM	15-1903					
NPNM	15-1983					x
NPNM	15-2242					
NPNM	15-2292					
NPNM	15-2295					
NPNM	15-2297					
NPNM	15-2375					
NPNM	15-2394					
NPNM	15-2404					
NPNM	15-2409	U	U	U	U	
NPNM	15-2412					
NPNM	15-2475					
NPNM	15-2527					
NPNM	15-2528					
NPNM	15-2690					
NPNM	16-28		P	U		
NPNM	16-47		U			
NPNM	16-71		P	U		
NPNM	16-93		U			
NPNM	16-119		U			
NPNM	16-155		U			
NPNM	16-164				U	
NPNM	16-201		U			
NPNM	16-289		P	U		
NPNM	16-328		U			
NPNM	16-334		U			
NPNM	16-351		U			
NPNM	16-358		U			
NPNM	16-362		U			
NPNM	16-368		U			
NPNM	16-381		U			
NPNM	16-386		U			
NPNM	16-396		U			
NPNM	16-463					
NPNM	16-488		U			
NPNM	16-532		U			
NPNM	16-551		U			
NPNM	16-587					
NPNM	16-594		P	P	P	r
NPNM	16-622			U		
NPNM	16-629			U		
NPNM	16-646a			U		
NPNM	16-660			P	P	r
NPNM	16-663			U		
NPNM	16-719		U			

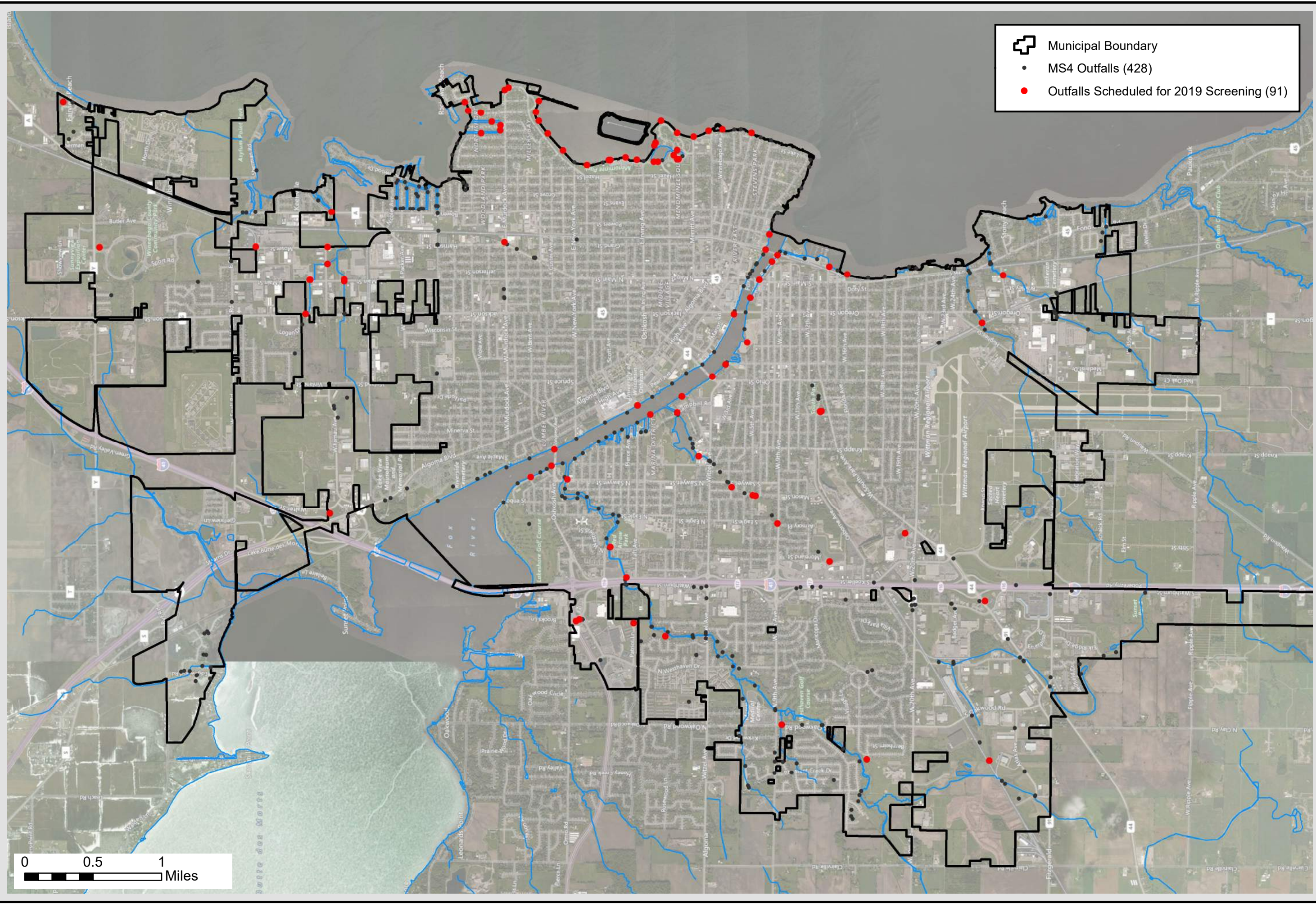
City of Oshkosh
MS4 Outfall Screening History and Schedule




Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	16-826a			U		
NPNM	16-828					
NPNM	16-869			U		
NPNM	16-871		U			
NPNM	16-873		U			
NPNM	16-941			U		
NPNM	16-995			P	P	r
NPNM	16-1074		U			
NPNM	16-1204			U		
NPNM	16-1207			U		
NPNM	16-1213			U		
NPNM	16-1578		U			
NPNM	16-1628		U			
NPNM	16-1633			U		
NPNM	EdgePond1out					
NPNM	EdgePond2in					
NPNM	Osh0944					
NPNM	Wash41_01	U				
NPNM	Wash41_02	U				

U	Unlikely	77	71	76	56	0
P	Potential	20	27	25	35	0
O	Obvious	1	0	0	0	0
		98	98	101	91	0
x	Scheduled	0	0	0	0	78
r	Reinspect	0	0	0	0	13
		0	0	0	0	91

Total MS4 Outfalls

P	Priority Outfall (annual)	31
NPM	Non-Priority Major Outfall (5 years)	81
NPNM	Non-Priority Non-Major Outfall (10 years)	314
		426



-  Municipal Boundary
-  MS4 Outfalls (428)
-  Outfalls Scheduled for 2019 Screening (91)

2018 IDDE ONGOING SCREENING PROGRAM
OUTFALLS SCHEDULED FOR 2019 SCREENING

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/23/2019

Omni
ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE:
1" = 3,333'
PROJECT NO.
N2029C18
FIGURE NO.
E-1

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

F:\ENVIRO\IDDE\GIS\MS4Map_11x17_Oshkosh_scheduled.mxd