

Ongoing Screening Summary Report 2019 Inspection Year

Illicit Discharge Detection and Elimination Program

City of Oshkosh

January 3, 2020

OMNNI Project No. N2029C19

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



Illicit Discharge Detection and Elimination
Conducted For
City of Oshkosh

Ongoing Screening Summary Report

2019 Inspection Year

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EXECUTIVE SUMMARY

During the fall of 2019, 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 87 of the approximately 419 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 32 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-S050075-3 ("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 419 outfalls, including:

- 86 major outfalls
- 240 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)

September-October 2019 – 2019 Ongoing Screening

87 outfalls screened, with 32 potential illicit discharges identified.

City of Oshkosh Ongoing Screening Summary Report – 2019 Inspection Year (January 3, 2020)
(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 32 priority outfalls.

The 2019 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 2019 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, 2020.

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 2019 ongoing screening. The location of the weather station is shown in Figure 1.

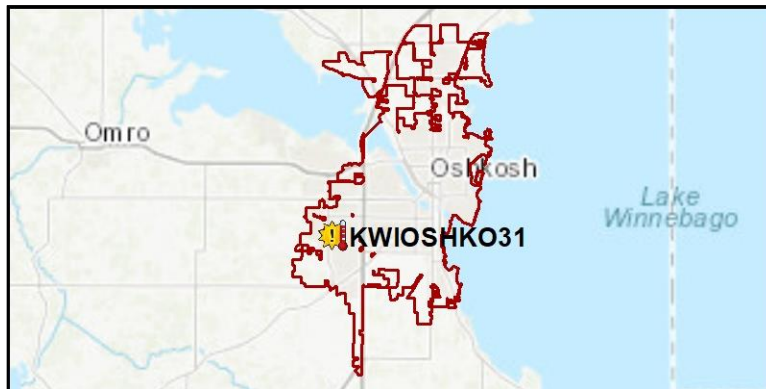


Figure 1 – Location of weather station for weather history

Outfall inspections were conducted in the City of Oshkosh on September 17-18 and October 8, 2019. (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 2.

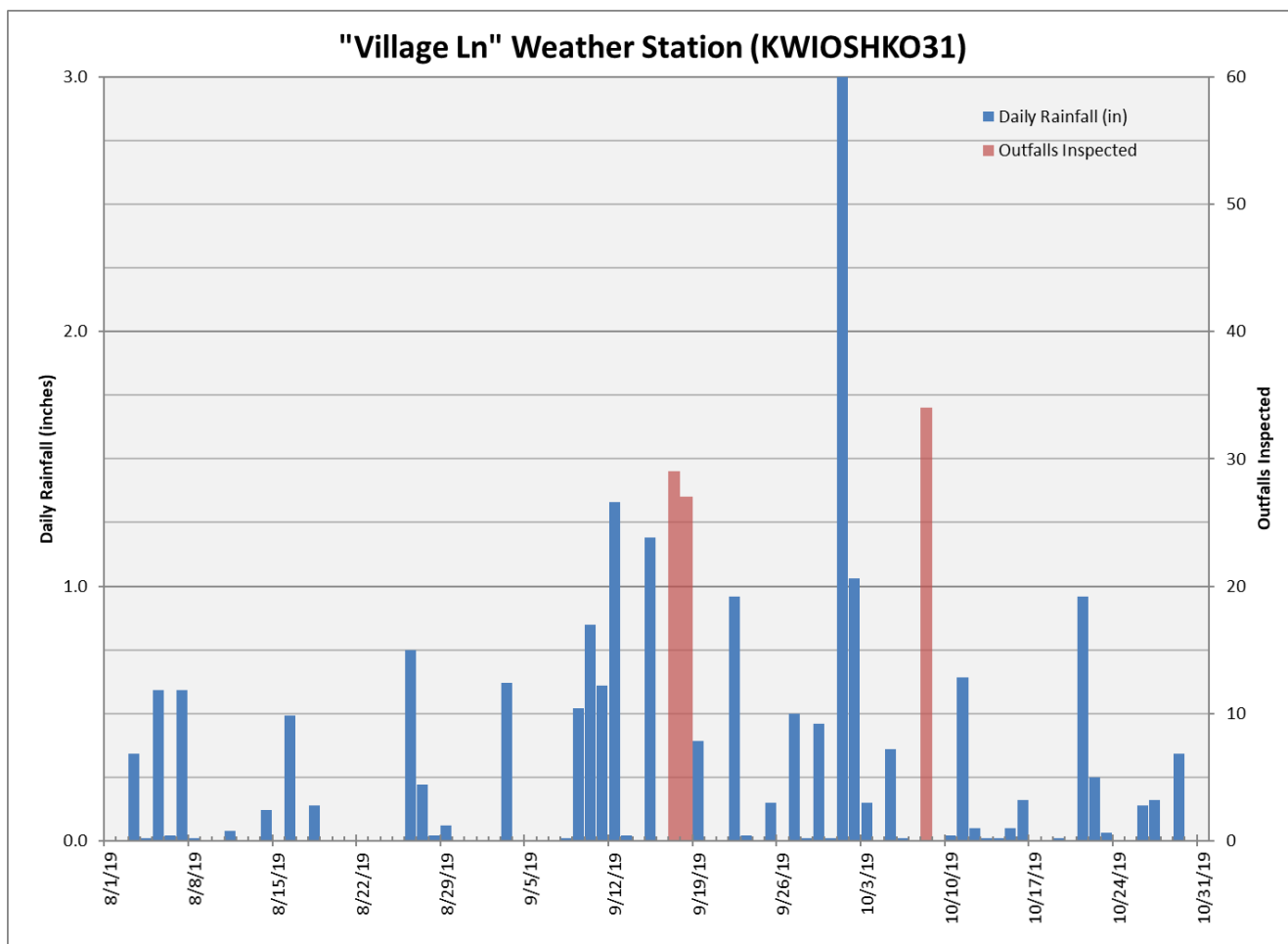


Figure 2 – Rainfall history and outfall inspections

Outfall screenings were conducted at least 48 hours after a runoff-producing rainfall event.

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 3.

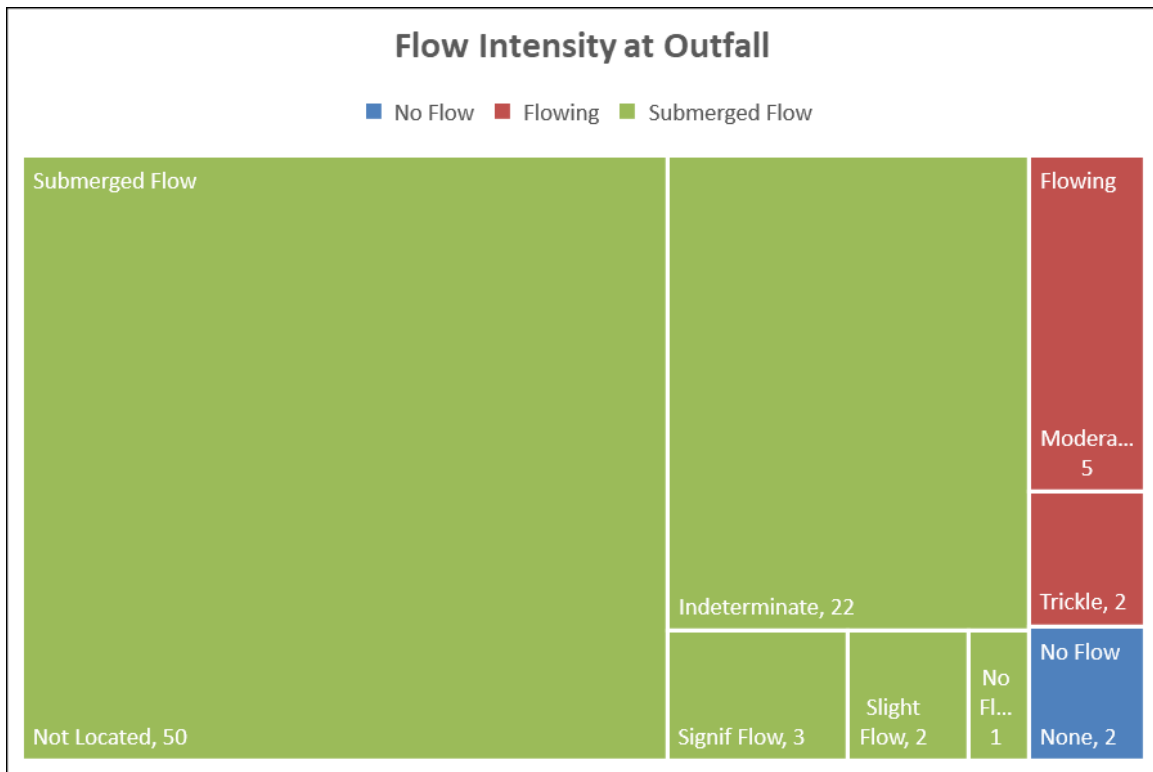


Figure 3 – Flow intensity at outfall

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 87 inspected outfalls, 21 were partially submerged, and 57 were fully submerged (Figure 4). Of the 57 fully submerged outfalls, 50 could not be physically located.

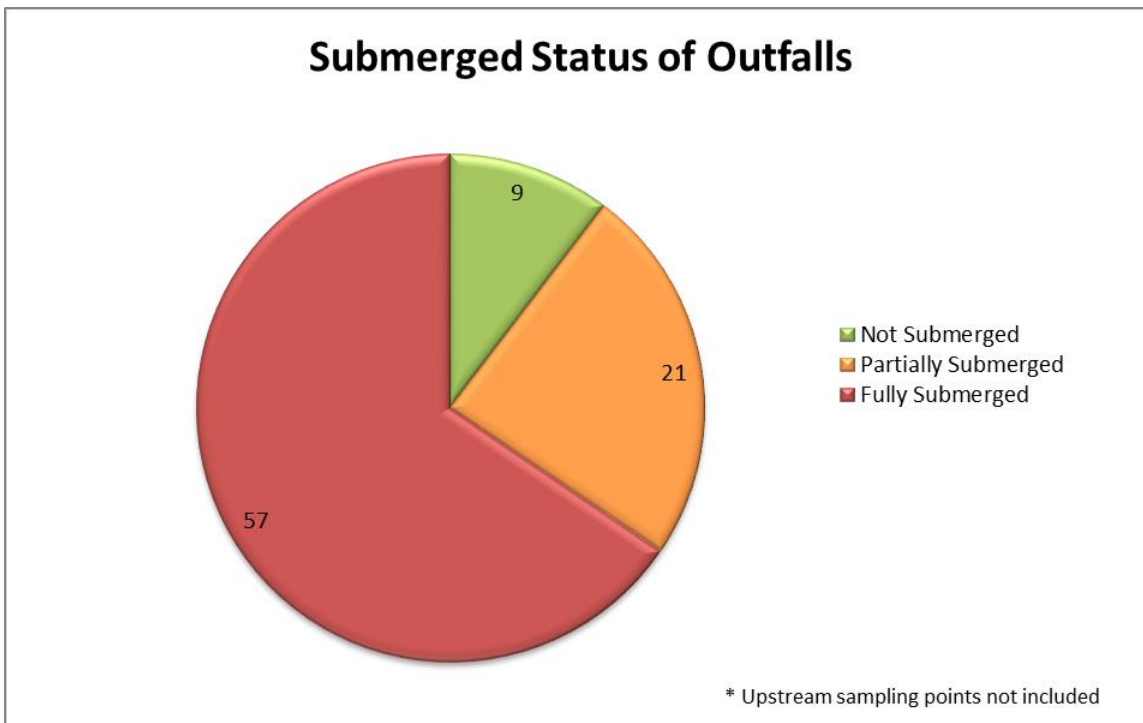


Figure 4 – Submerged status of outfalls

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 5.

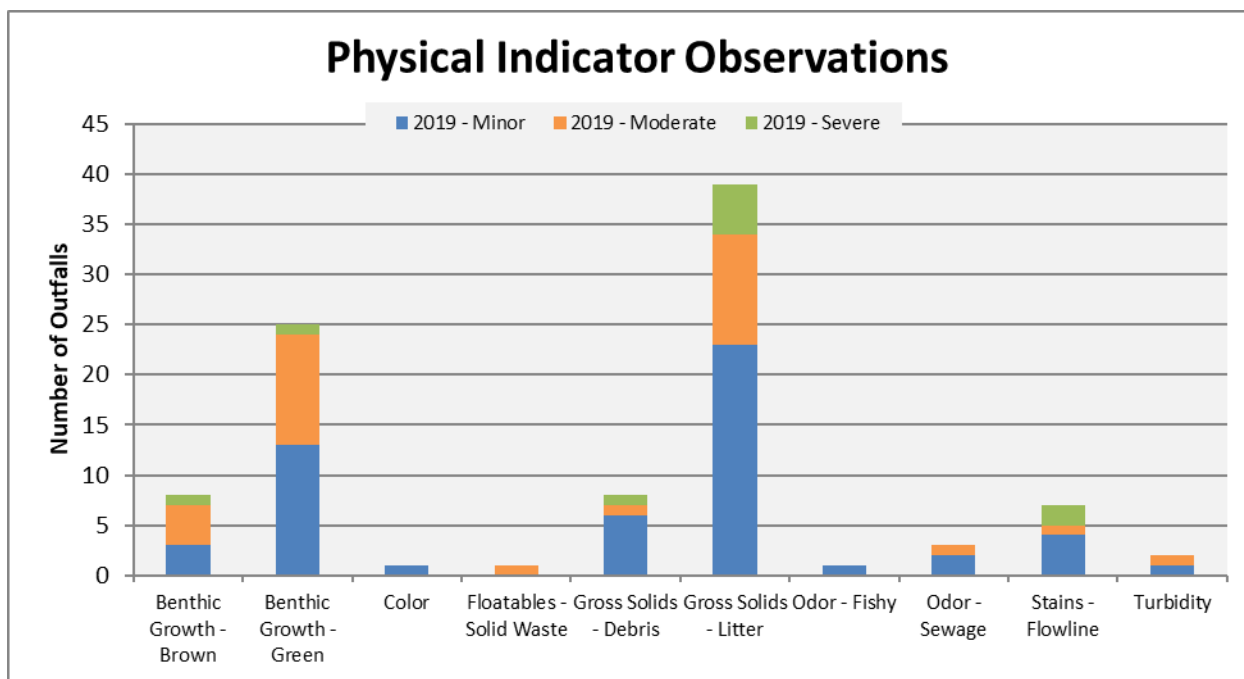


Figure 5 – Physical indicator observations

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 2019, 18 outfalls were classified as potential illicit discharges because of the presence of moderate or severe gross solids in their upstream manholes. 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.b 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 2.3.2.b, 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 86 stormwater samples were collected and analyzed as part of the ongoing screening process in 2019 – 15 were from flow streams, and 71 were from pools. (Samples associated with follow-up inspections are not included in these totals.)

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 6.

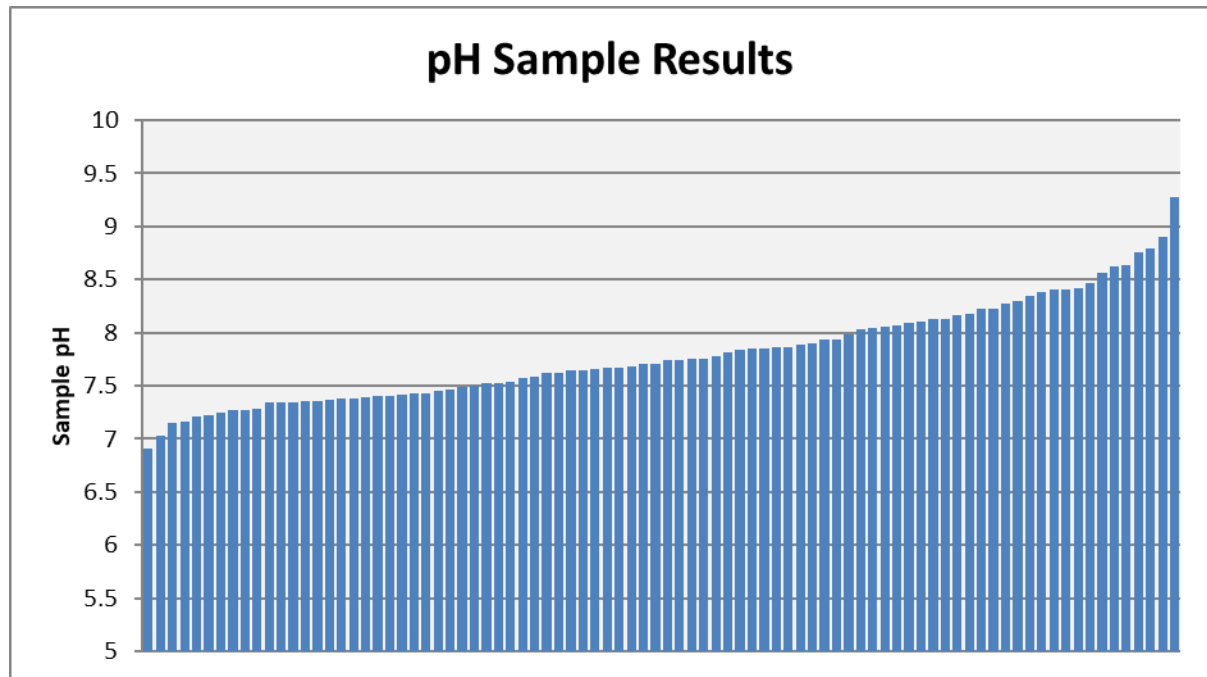


Figure 6 – pH sample results

The pH values ranged from 6.91 to 9.27. One sample (13-471) was outside of the 6.0-9.0 normal range. Because this outfall also had a detergent detection in the follow-up sample, it was classified as a potential illicit discharge.

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.

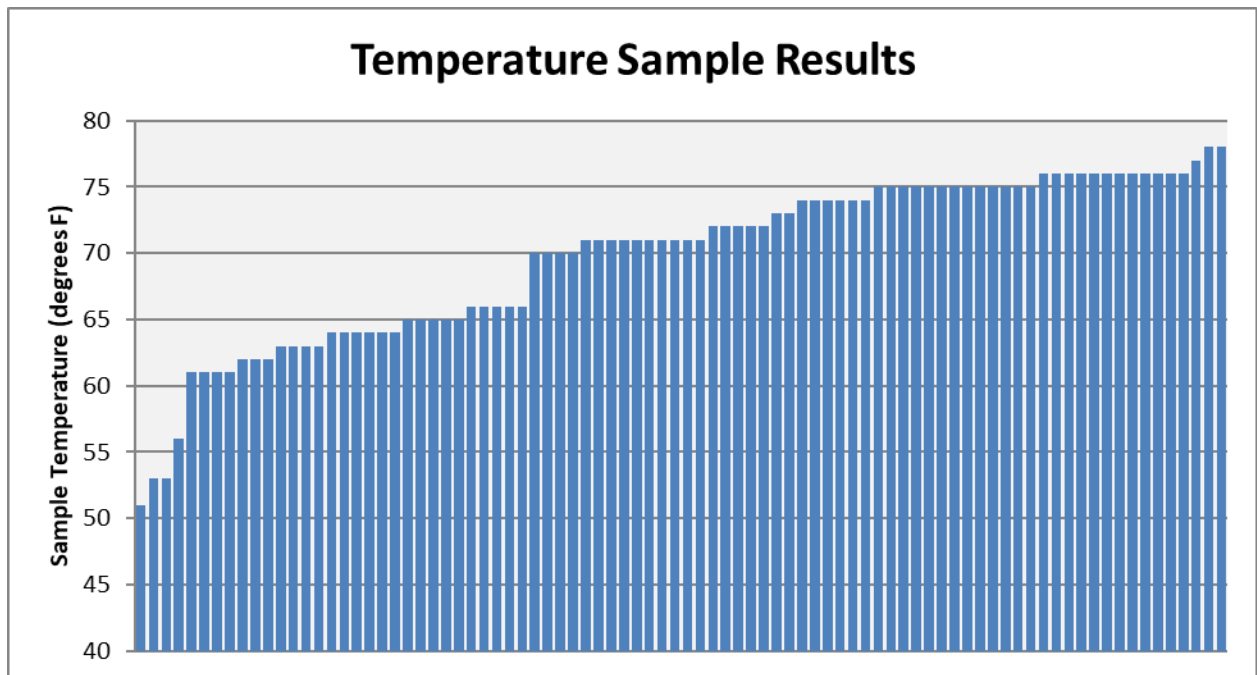
Surface temperatures were typically 45 °F or warmer during the inspections. As a result, the “normal” temperature range was set at 45 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

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 7.



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 8.

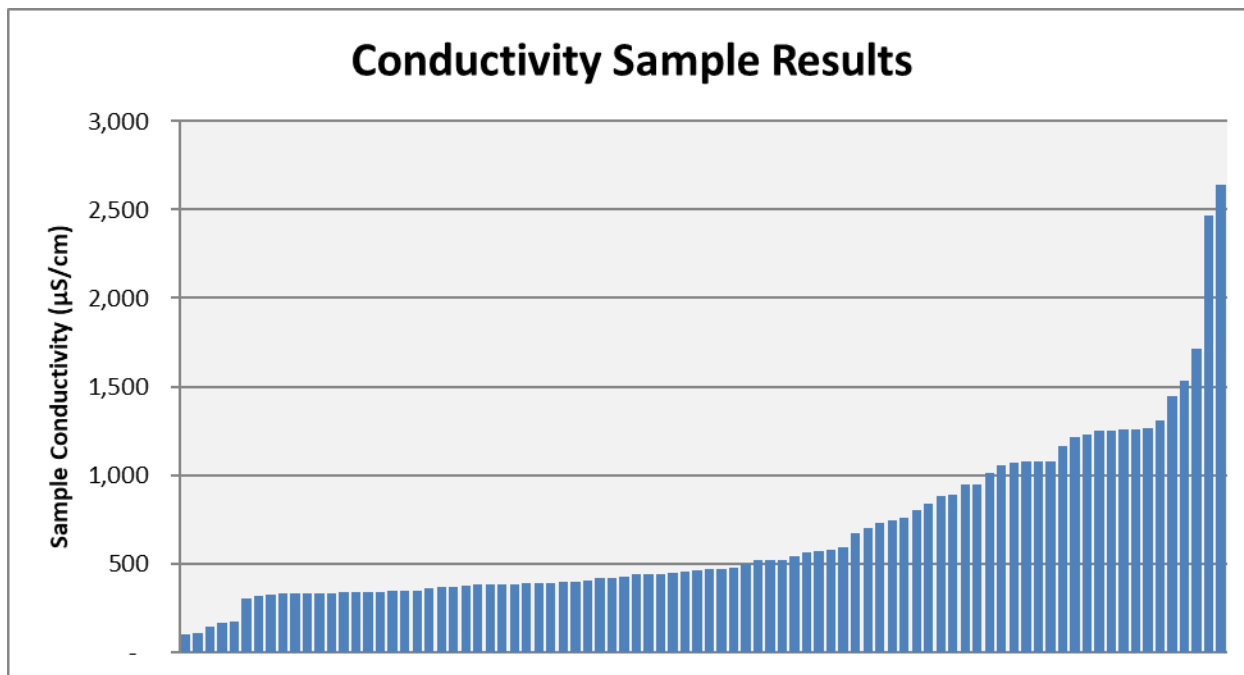


Figure 8 – Conductivity sample results

The conductivity values ranged from 98 to 2,640 $\mu\text{S}/\text{cm}$. 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/rsl/monitoring/vms59.cfm>)

classified as potential illicit discharges. The illicit discharge potential of the outfalls with elevated conductivities are summarized in Table 1.

Table 1 – IDDE potential of outfalls with elevated conductivity

Outfall	Ammonia (ppm)	IDDE Potential	Reason
13-3774	2,470	Potential	Elevated conductivity and past history of detergent in flow.
16-844	2,640	Potential	Elevated conductivity and detergent detection in flow.

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.

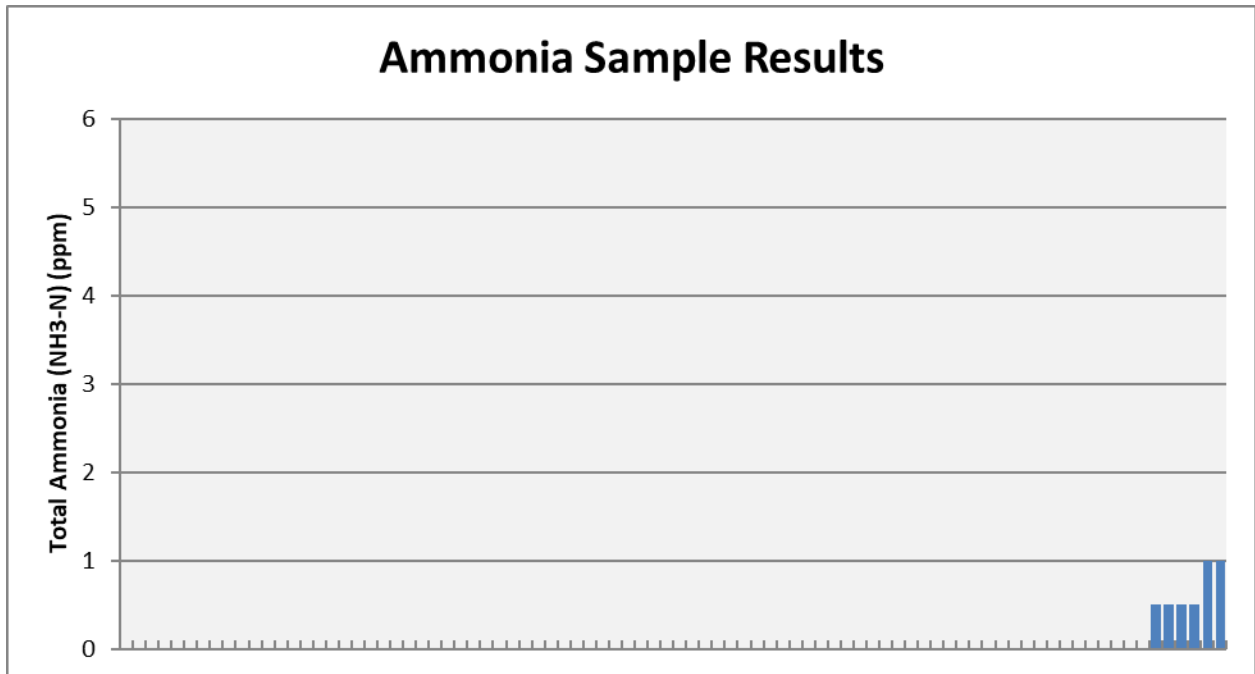
Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

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 9.



- 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.

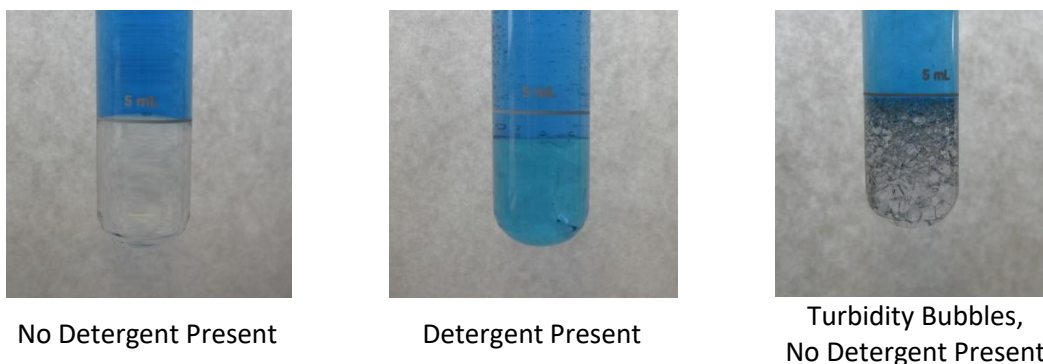


Figure 10 – Typical MBAS Detergent Test Results

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 11.

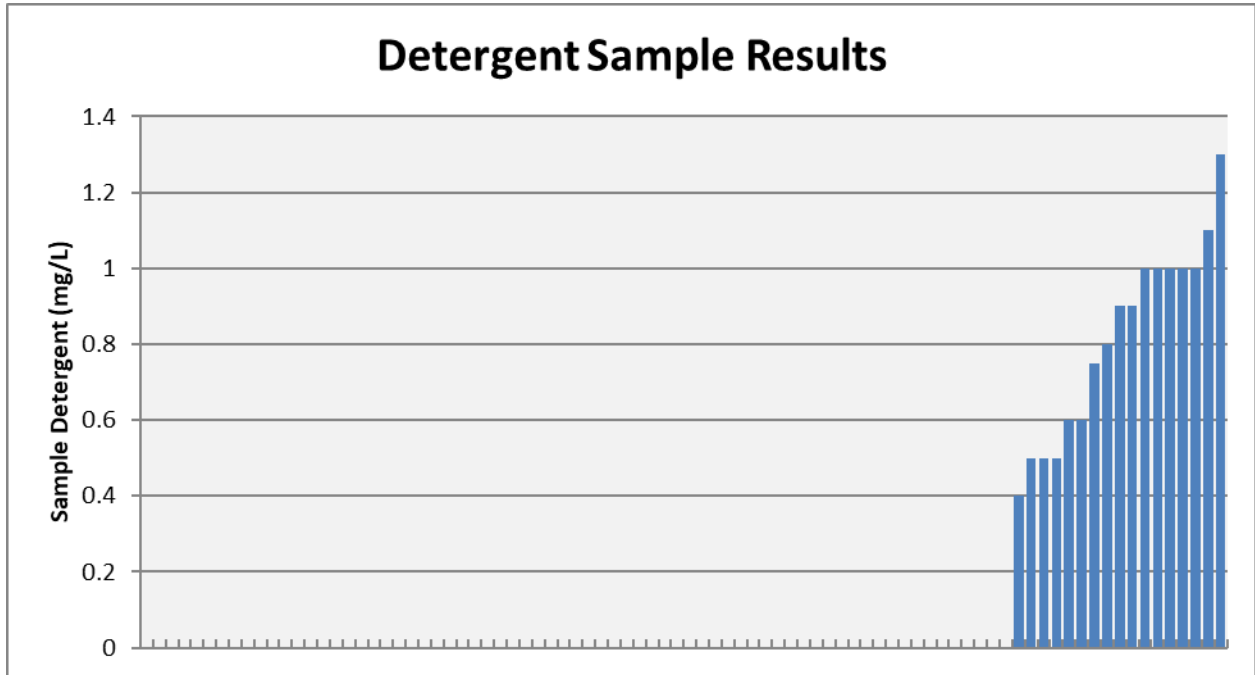


Figure 11 – Detergent sample results

The detergent values ranged from 0 to 1.3 mg/L, with 17 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
15-3211 US1	0.4	Potential	Detergent detected in upstream manhole pool.
16-533 US1	0.5	Potential	Detergent detected in upstream manhole pool. Floating gross solids (litter) in upstream manhole.
16-660 US1	0.5	Potential	Detergent detected in upstream manhole flow.
16-844	0.5	Potential	Elevated conductivity and detergent detection in flow.
16-1205 US1	0.6	Potential	Detergent detected in upstream manhole pool.
16-1508 US1	0.6	Potential	Ammonia and detergent in upstream manhole pool.
13-2957 US1a	0.75	Potential	Detergent detected in upstream manhole pool.
13-2332 US1	0.8	Potential	Detergent detected in upstream manhole flow.
01-520 US1	0.9	Potential	Detergent detected in upstream manhole pool. Floating gross solids (litter) in upstream manhole.
14-582 US1	0.9	Potential	Detergent detected in upstream manhole pool.
03-173 US1	1	Potential	Detergent detected in upstream manhole pool. Floating gross solids (litter) in upstream manhole.

Outfall	Detergent (mg/L)	IDDE Potential	Reason
03-22 US1	1	Potential	Detergent detected in upstream manhole pool. Floating gross solids (litter) in upstream manhole.
14-999	1	Potential	Detergent detected in outfall flow.
15-2243 US1	1	Potential	Detergent detected in upstream manhole pool.
16-995 US1	1	Potential	Detergent detected in upstream manhole pool.
13-2736 US2	1.1	Potential	Detergent detected in upstream manhole pool.
03-35 US1	1.3	Potential	Detergent detected in upstream manhole pool. Floating gross solids (litter) in upstream manhole.

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 87 inspected outfalls, 55 were classified as unlikely, 32 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 2009-2018). Detergent detected in upstream manhole pool.
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014-2018).
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009-2018). Detergent detected in upstream manhole.
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009-2013, 2015-2018). Detergent detected in upstream manhole.
03-81	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2014, 2016-2018). (Past results of oil sheen/odor, detergent and elevated ammonia.)
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018). Detergent detected in upstream manhole.

Outfall	Classification	Reason
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018).
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015-2018).
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018).
06-810	Potential	Persistent gross solids in upstream manhole (also present in 2018).
06-829	Potential	Persistent gross solids in upstream manhole (also present in 2012-2014, 2018).
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018).
11-177	Potential	Persistent gross solids in upstream manhole (also present in 2011).
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018).
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014-2018).
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014-2018).
13-471	Potential	Elevated pH and detergent detected in outfall flow. (Detergent also present in 2018.)
13-2332	Potential	Detergent detected in upstream manhole (also present in 2018).
13-2736	Potential	Detergent detected in upstream manhole.
13-2957	Potential	Detergent detected in upstream manhole.
13-3774	Potential	Elevated conductivity detected in outfall flow. (Detergent present in 2018.)
14-582	Potential	Detergent detected in upstream manhole. (Ammonia and chlorine detections in previous years.)
14-999	Potential	Detergent detected in outfall flow.
15-2243	Potential	Detergent detected in upstream manhole.
15-3211	Potential	Detergent detected in upstream manhole.
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014-2018). Detergent detected in upstream manhole.
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2016-2018).
16-660	Potential	Detergent detected in upstream manhole sample (also detected in 2017-2018).
16-844	Potential	Elevated conductivity and detergent in outfall flow (both also present in 2018).
16-995	Potential	Detergent detected in upstream manhole sample (also detected in 2017-2018).
16-1205	Potential	Detergent detected in upstream manhole (also present in 2018).
16-1508	Potential	Detergent and ammonia detected in upstream manhole. (Ammonia also detected in 2012-2015, 2018.)

A chart showing the number of outfalls inspected over the past 11 years (starting with the initial screening in 2009) and the number of potential or obvious illicit discharges is shown in Figure 12.

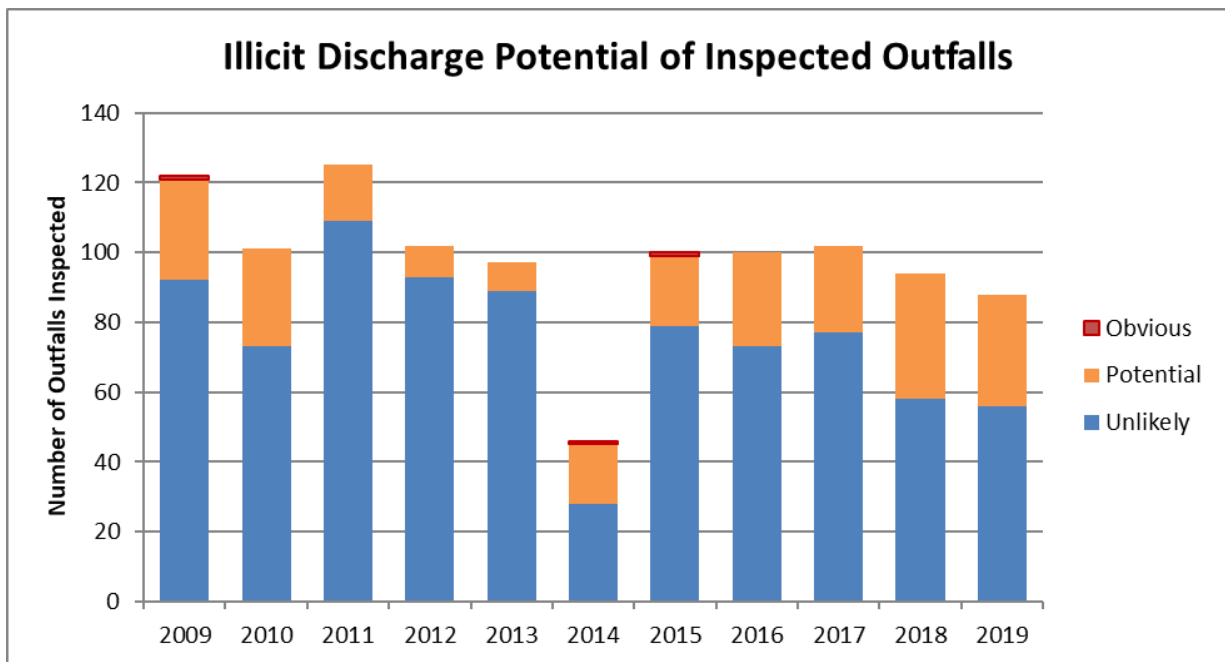


Figure 12 – Illicit discharge potential of inspected outfalls

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

Upstream Manholes with Significant Floatable Debris

During the 2019 ongoing screening program, 18 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.

For 13 of the manholes, the presence of the gross solids was the sole reason for being classified as a “potential” illicit discharge. (The remaining 5 manholes also had one or more additional chemical indicators.) Upstream manholes that were classified as “potential” sources of illicit discharge due to significant floatable debris during the 2009-2018 screening programs are shown in the table in Appendix D. The 2019 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 01-520 (Jackson Street)

Outfall 01-520 consists of a 54-inch reinforced concrete pipe (RCP) that discharges to the Fox River, just west of the Jackson Street bridge. Because the outfall is typically fully submerged, it is screened at the upstream manhole (01-520 US1) located approximately 25 feet upstream of the outfall.



Figure 13 – Outfall 01-520 (2018)



Figure 14 – Upstream manhole 01-520 US1 (2019)

This outfall is classified as a Priority Outfall due to the persistent floating gross solids in the upstream manhole.

During the 10/8/2019 screening, detergent was detected in the upstream manhole (0.9 mg/L). When the manhole was rescreened on 11/5/2019, along with upstream locations, no detergent was detected, so no upstream tracking could be performed.

The samples collected from the outfall and upstream manhole are summarized in Table 5:

Table 5 - Sample results from outfall 01-520

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/9/2009	Manhole	N/A	0	8.60	N/A
8/25/2010	Manhole	0	0	8.18	N/A
10/11/2011	Manhole	0	N/A	8.49	N/A
9/27/2012	Manhole	0	0	7.77	542
9/5/2013	Manhole	0	0	8.51	424
10/9/2014	Manhole	0	0	7.84	1,318
9/22/2015	Manhole	0	0	8.10	917
10/18/2016	Manhole	0	0	8.16	531
10/17/2017	Manhole	0	0	7.72	896
10/24/2018	Manhole	0	0	8.02	336
10/8/2019	Manhole	0	0.9	7.28	381
11/5/2019	Manhole	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is detected, additional upstream tracking should be conducted.

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

Outfall 03-22 (Nebraska Street)

Outfall 03-22 consists of a 36x58-inch RCP that discharges to the Fox River at the north end of Nebraska Street. Because the outfall is fully submerged and has not been located, it is screened at the upstream manhole (03-22 US1) located approximately 55 feet upstream of the outfall.

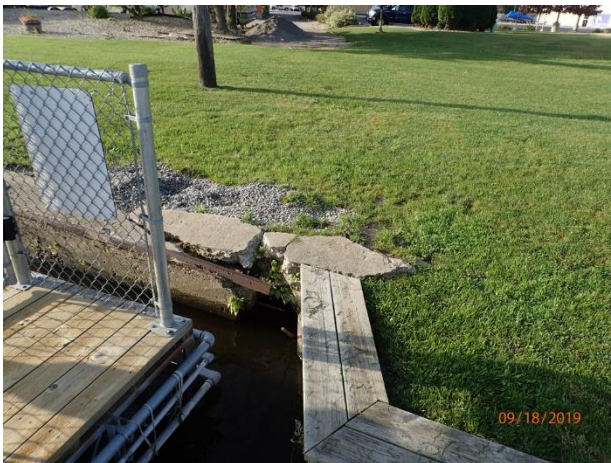


Figure 15 – Outfall 03-22 (2019) (not located)



Figure 16 – Upstream manhole 03-22 US1 (2019)

This outfall is classified as a Priority Outfall due to the persistent floating gross solids in the upstream manhole.

During the 9/18/2019 screening, detergent was detected in the upstream manhole (1.0 mg/L). A second sample collected on 10/8/2019 had a detergent concentration of 1.2 mg/L. When the manhole was rescreened on 11/5/2019, along with upstream locations, no detergent was detected, so no upstream tracking could be performed.

The samples collected from the outfall and upstream manhole are summarized in Table 6:

Table 6 - Sample results from outfall 03-22

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/10/2009	Manhole	N/A	0	8.30	N/A
8/18/2010	Manhole	0	0	7.38	N/A
10/11/2011	Manhole	0	N/A	8.13	N/A
9/27/2012	Manhole	0	0	8.32	398
7/31/2013	Manhole	0	0	7.95	450
10/9/2014	Manhole	0	0	7.79	442
9/23/2015	Manhole	0	0	8.44	354
10/18/2016	Manhole	0	0	8.15	403
10/18/2017	Manhole	0	0	8.32	422
10/24/2018	Manhole	0	0	7.68	355
9/18/2019	Manhole	0	1.0	8.64	372
10/8/2019	Manhole	0	1.2	7.58	381
11/5/2019	Manhole	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is detected, additional upstream tracking should be conducted.

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

Outfall 03-35 (Pioneer Drive)

Outfall 03-35 consists of a 30-inch RCP that discharges to the Fox River immediately east of the Main Street bridge. Because the outfall is fully submerged and has not been located, it is screened at the upstream manhole (03-35 US1) located approximately 20 feet upstream of the outfall.



Figure 17 – Outfall 03-35 (2019) (not located)



Figure 18 – Upstream manhole 03-22 US1 (2019)

This outfall is classified as a Priority Outfall due to the persistent floating gross solids in the upstream manhole.

During the 9/18/2019 screening, detergent was detected in the upstream manhole (1.3 mg/L). A second sample collected on 10/8/2019 had a detergent concentration of 1.3 mg/L. When the

manhole was rescreened on 11/5/2019, along with upstream locations, no detergent was detected, so no upstream tracking could be performed.

The samples collected from the outfall and upstream manhole are summarized in Table 7:

Table 7 - Sample results from outfall 03-35

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/10/2009	Manhole	N/A	0	8.23	N/A
8/18/2010	Manhole	0.5	0	7.46	N/A
10/11/2011	Manhole	0	N/A	8.01	N/A
9/27/2012	Manhole	0	0	8.42	723
7/31/2013	Manhole	0	0	8.47	425
10/9/2014	Manhole	0	0	7.86	476
9/23/2015	Manhole	0	0	8.64	359
10/10/2016	Manhole	0	0	7.54	391
10/18/2017	Manhole	0	0	7.94	554
10/22/2018	Manhole	0	0	7.81	338
9/18/2019	Manhole	0	1.3	8.47	389
10/8/2019	Manhole	0	1.3	7.68	415
11/5/2019	Manhole	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is detected, additional upstream tracking should be conducted.

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

Outfall 03-173 (Blended Waxes)

Outfall 03-173 consists of a 36-inch reinforced concrete pipe (RCP) that discharges to Lake Winnebago. The outfall is fully submerged, and the pipe is only visible in calm conditions.



Figure 19 - Outfall 03-173 (2014)

Because the outfall is always fully submerged (and often not located), the screening is conducted at an upstream manhole. The first upstream manhole (03-173 US1) is located between the railroad and the shoreline. Screening is typically conducted at this manhole; however, during some years, this manhole was not accessible, and screenings were conducted

at the next upstream manhole (03-173 US2), located in the fenced receiving area of the Blended Waxes facility.



Figure 20 – Upstream manhole 03-173 US1 (2019)



Figure 21 – Upstream manhole 03-173 US2 (2017)

Floating gross solids were observed in the upstream manhole(s) in 2010, 2011, 2014, 2015-2018, and the outfall was listed as a potential illicit discharge for this reason. During the 2017 screening, wax stains were observed on the pavement around manhole 03-173 US2, which also contributed to the potential illicit discharge status that year.

During the 10/8/2019 screening, a sample from manhole 03-173 US1 tested positive for detergent. The concentration was estimated at 1.0 mg/L. A follow-up inspection on 11/5/2019 showed no detergent in 03-173 US1 or other representative upstream locations.

The samples collected from the upstream manholes during prior screenings are summarized in Table 8:

Table 8 - Sample results from outfall 03-173

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
8/17/2010	US2	0	0	7.69	N/A
10/11/2011	US2	0.5	0	7.39	N/A
10/7/2014	US2	0	0	7.73	401
9/23/2015	US2	0	0	8.19	476
10/10/2016	US2	0	0	7.56	422
10/18/2017	US2	0	0	7.98	437
10/22/2018	US1	0	0	7.18	1,229
10/8/2019	US1	0	1.0	7.64	592
11/5/2019	US1	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is detected, additional upstream tracking should be conducted.

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-inch 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 (2019)

Detergent was detected at the outfall during the 2018 screening. As a result, it was scheduled to be rescreened in 2019.

During the 9/18/2019 screening, no detergent was detected at the outfall, but the pH of the sample was 9.27, which exceeded the action limit of 9.0. The outfall was rescreened on 11/5/2019. During that screening, the pH was within normal limits (8.18), but detergent was detected (0.8 mg/L).

The samples collected from the outfall are summarized in Table 9:

Table 9 - 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
9/18/2019	Outfall	0	0	9.27	368
11/5/2019	Outfall	N/A	0.8	8.18	680

No apparent sources were readily identified during the field screening, and the upstream storm sewer network is fairly extensive. However, detergent was also detected at outfall 13-3774, which is upstream of this outfall, and may be related.

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 2020. If the detergent is still present, and additional tracking should be conducted.

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-inch elliptical concrete pipe that discharges to a channel north of Fox Tail Lane, near Traeger Middle School. Because the outfall is typically partially submerged, it is screened at the upstream catchbasin (13-2332 US1) located approximately 30 feet upstream of the outfall.



Figure 23 – Outfall 13-2332 (2019)



Figure 24 – Upstream manhole 13-2332 US1 (2019)

Detergent was detected at the outfall during the 2018 screening. As a result, it was scheduled to be rescreened in 2019.

During the 10/8/2019 screening, detergent was detected in the upstream manhole (0.8 mg/L). An additional sample was collected from the upstream storm sewer at W. 20th Avenue. This upstream sample had a detergent concentration of 0.6, indicating that the detergent source was likely upstream of W. 20th Avenue.

The outfall was rescreened on 11/5/2019. The sample from the upstream manhole once again contained detergent (0.7 mg/L). A sample from the intersection of W. 20th Avenue and S. Oakwood Road showed a trace amount of detergent.

The samples collected from the outfall and upstream manhole are summarized in Table 10:

Table 10 - 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
10/8/2019	Manhole	0	0.8	7.62	1,054
11/5/2019	Manhole	N/A	0.7	N/A	N/A

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 2020. If the detergent is still present, additional tracking should be conducted.

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

Outfall 13-2736 (S. Oakwood Road)

Outfall 13-2736 consists of a 29x45-inch RCP that discharges into Sawyer Creek on the east side of S. Oakwood Road. The drainage basin for the storm sewer is primarily a residential area along Homestead Drive. The storm sewer may also receive the discharge from outfalls 13-3097 and 13-3099, near Pheasant Creek Drive. The outfall is typically partially submerged, so screening is conducted at an upstream location. The first upstream manhole is located in the center of S. Oakwood Road. Due to the heavy traffic on the street, the screening was conducted at the curb

inlet that is directly attached to the manhole. The submerged pool in the curb inlet should be similar to the submerged pool in the manhole.



Figure 25 – Outfall 13-2736 (2019)



Figure 26 – Upstream inlet 13-2736 US2 (2019)

During the 10/8/2019 screening, detergent was detected in the upstream curb inlet (1.1 mg/L). The outfall was rescreened on 11/5/2019, and the sample from the curb inlet had a detergent concentration of 1.3 mg/L. An additional sample was collected from a manhole near the middle of Homestead Drive, which showed no detergent.

The samples collected from the outfall and upstream manhole are summarized in Table 11:

Table 11 - Sample results from outfall 13-2736

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
10/8/2019	13-2736 US2	0	1.1	7.74	799
11/5/2019	13-2736 US2	N/A	1.3	N/A	N/A

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 2020. If the detergent is still present, additional tracking should be conducted.

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

Outfall 13-2957 (South Park)

Outfall 13-2957 consists of a 36x60-inch concrete box culvert that discharges to the west end of the west pond in South Park. The outfall was reconstructed prior to the 2018 field screening and incorporated several of the adjacent outfalls on the pond. Because the outfall is typically partially- or fully-submerged, it is screened at the first upstream manhole, located in Georgia Street.



Figure 27 – Outfall 13-2957 (2019)



Figure 28 – Upstream manhole 13-2957 US1a (2019)

During the 9/18/2019 screening, detergent was detected in the upstream manhole (0.75 mg/L). The outfall was rescreened on 10/8/2019, and detergent was not detected. The outfall was rescreened on 11/5/2019, and detergent was once again detected in the upstream manhole (0.6 mg/L). Samples from Osborn Avenue and South Park Avenue showed trace or no detergent (see Appendix D for locations and results).

The samples collected from the outfall and upstream manhole are summarized in Table 12:

Table 12 - Sample results from outfall 13-2957

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
9/18/2019	Manhole	0	0.75	7.90	1,265
10/8/2019	Manhole	0	0	7.65	1,354
11/5/2019	Manhole	N/A	0.6	N/A	N/A

Prior to 2018, screening was conducted at a different upstream manhole (13-2957 US1), which has been removed.

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is still present, additional upstream tracking should be conducted.

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-inch RCP that discharges to the west side of the 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 29 - Outfall 13-3774 (2019)

Detergent was detected at the outfall during the 2018 screening. The flow was traced upstream, but no definitive source was identified. Because the outfall is a Priority Outfall, it was automatically scheduled for screening in 2019.

The outfall was screened on 10/8/2019. A sample was collected from the flow from the outfall. No detergent was detected in the sample, but the conductivity was slightly elevated (2,470 $\mu\text{S}/\text{cm}$). No other chemical indicators exceeded action limits.

The samples collected from the outfall are summarized in Table 13:

Table 13 - Sample results from outfall 13-3774

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S}/\text{cm}$)
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
10/8/2019	Outfall	0	0	7.66	2,470

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent or elevated conductivity is still present, additional upstream tracking should be conducted.

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

Outfall 14-582 (W. 28th Avenue)

Outfall 14-582 consists of a 27-inch RCP that discharges into the stream that crosses W. 28th Avenue. The drainage basin for this outfall consists primarily of industrial and commercial properties on W. 28th Avenue and Oregon Street between W. 28th Avenue and W. 29th Avenue. Because this outfall is typically partially submerged, the screening is conducted at the first upstream manhole, located 27 feet upstream of the outfall.



Figure 30 – Outfall 14-582 (2019)



Figure 31 – Upstream manhole 14-582 US1 (2019)

This outfall had ammonia and chlorine discharges in 2011 that were traced back to Hydrite Chemical. The source of the discharge was remedied, and no other potential illicit discharges have been detected from this outfall. (The receiving stream had a black pool in the area of the outfall in 2012, but the source was not traced to this outfall.)

During the 10/8/2019 screening, detergent was detected in the upstream manhole (0.9 mg/L). The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 0.6 mg/L. Additional samples were collected from upstream locations (see Appendix D for locations and results).

The samples collected from the outfall and upstream manhole are summarized in Table 14:

Table 14 - Sample results from outfall 14-582

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
7/31/2013	Manhole	0	0	7.52	1,403
10/7/2014	Manhole	0	0	7.73	1,481
9/24/2015	Manhole	0	0	7.38	780
10/19/2016	Manhole	0	0	7.65	1,620
10/18/2017	Manhole	0	0	7.52	1,945
10/22/2018	Manhole	0	0	7.03	1,580
10/8/2019	Manhole	0	0.9	7.40	1,715
11/5/2019	Manhole	N/A	0.6	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. 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 14-999 (Hughes Street)

Outfall 14-999 consists of a 48-inch RCP that discharges into the stream that crosses the railroad tracks south of Hughes Street. The drainage basin for this outfall consists primarily of the Oshkosh Truck facility along the railroad.



Figure 32 – Outfall 14-999 (2019)

During the 10/8/2019 screening, detergent was detected in the flow from the outfall (1.0 mg/L). The outfall was rescreened on 11/5/2019, and no detergent was detected. Additional screenings were conducted at upstream locations (see Appendix D for locations and results).

The samples collected from the outfall are summarized in Table 15.

Table 15 - Sample results from outfall 14-999

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/4/2009	Outfall	N/A	0	7.82	N/A
7/31/2013	Outfall	0	0	8.05	1,865
9/24/2015	Outfall	0	0	8.17	1,595
10/19/2016	Outfall	0	0	8.24	765
10/19/2017	Outfall	0	0	8.10	725
10/22/2018	Outfall	0	0	7.62	811
10/8/2019	Outfall	0	1.0	7.85	741
11/5/2019	Outfall	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is still present, additional upstream tracking should be conducted.

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

Outfall 15-2243 (CTH A)

Outfall 15-2243 consists of a 24-inch RCP that discharges into the stream on the west side of CTH A, just north of MacArthur Road. The drainage basin for this outfall consists of CTH A between MacArthur Road and Driftwood Lane and includes a mix of industrial and residential land uses. Because this outfall is typically partially- or fully- submerged, the screening is conducted at the first upstream manhole, located 31 feet upstream of the outfall in the road.



Figure 33 – Outfall 15-2243 (2011)



Figure 34 – Upstream manhole 15-2243 US1 (2019)

During the 10/8/2019 screening, the outfall was fully submerged and not located. Detergent was detected in the upstream manhole (1.0 mg/L). The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 0.6 mg/L. Additional samples were collected from other upstream manholes (see Appendix D for locations and results).

The samples collected from the outfall and upstream manhole are summarized in Table 16:

Table 16 - Sample results from outfall 15-2243

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
9/8/2009	Manhole	N/A	0	8.19	N/A
10/6/2011	Manhole	0	0	7.57	N/A
10/8/2019	Manhole	0	1.0	7.38	1,212
11/5/2019	Manhole	N/A	0.6	N/A	N/A

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 2020. If the detergent is still present, additional tracking should be conducted.

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

Outfall 15-3211 (Jackson Street)

Outfall 15-3211 consists of a 60-inch RCP that discharges into the southwest corner of a detention basin between Jackson Street and Main Street. This outfall replaces outfall 15-1889, which used to discharge to a channel immediately east of Jackson Street. Now that the storm sewer has been extended to the new detention basin, the outfall is a supplemental outfall located at the detention basin. Because this outfall is typically partially submerged, the screening is conducted at the first upstream manhole, located 89 feet upstream of the outfall.



Figure 35 – Outfall 15-3211 (2019)



Figure 36 – Upstream manhole 15-3211 US1 (2019)

During the 11/5/2019 screening, the outfall was partially submerged. Detergent was detected in the upstream manhole (0.4 mg/L). No additional upstream sampling was conducted at that time.

The samples collected from the outfall and upstream manhole are summarized in Table 17:

Table 17 - Sample results from outfall 15-3211

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/5/2013	15-1889 US1	0	0	7.75	1,256
11/5/2019	15-3211 US1	0	0.4	8.38	1,074

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 2020. If the detergent is still present, additional tracking should be conducted.

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

Outfall 16-533 (N. Sawyer Street)

Outfall 16-533 consists of a 30-inch RCP that discharges into Sawyer Creek on the east side of N. Sawyer Street. The outfall is fully submerged and has not been physically located. The screening is conducted at the first upstream manhole, located 75 feet upstream of the outfall near the median of N. Sawyer Street.



Figure 37 – Outfall 16-533 (2019) (not located)



Figure 38 – Upstream manhole 16-533 US1 (2019)

During the 10/8/2019 screening, the outfall was fully submerged and not located. Detergent was detected in the upstream manhole (0.5 mg/L). The outfall was rescreened on 11/5/2019, and no detergent was detected in the sample from the manhole. Additional screenings were conducted at other upstream manholes (see Appendix D for locations and results).

The samples collected from the outfall and upstream manhole are summarized in Table 18:

Table 18 - Sample results from outfall 16-533

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
8/26/2010	Manhole	0	0	7.23	N/A
10/11/2011	Manhole	0	N/A	7.90	N/A
10/7/2014	Manhole	0	0	7.67	474
9/23/2015	Manhole	0	0	7.95	363
10/18/2016	Manhole	0	0	7.94	482
10/19/2017	Manhole	0	0	7.89	668
10/24/2018	Manhole	0	0	7.75	485
10/8/2019	Manhole	0	0.5	7.34	449
11/5/2019	Manhole	N/A	0	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent is still present, additional upstream tracking should be conducted.

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



Figure 39 – Outfall 16-660 (2019)



Figure 40 – Upstream manhole 16-660 US1 (2019)

This outfall tested positive for detergent during the 2017 and 2018 screenings.

During the 10/8/2019 screening, detergent was detected in the upstream manhole (0.5 mg/L). The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 0.9 mg/L. Additional samples were collected from upstream manholes (see Appendix D for locations and results).

The samples collected from the upstream manhole during prior screenings are summarized in Table 19:

Table 19 - 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
10/8/2019	Manhole	0	0.5	7.68	943
11/5/2019	Manhole	N/A	0.9	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 2020. If detergent is still present, additional upstream tracking should be conducted.

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 41 - Outfall 16-844 (2019)

The 2016 screening revealed elevated conductivity in the sample from the outfall. The 2018 samples had elevated conductivity and detergent.

During the 10/8/2019 screening, detergent was detected in the flow from the outfall (0.5 mg/L), and conductivity was elevated at 2,640 $\mu\text{S}/\text{cm}$. The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 0.8 mg/L. Additional samples were collected from upstream manholes (see Appendix D for locations and results).

The samples collected from the outfall during prior screenings are summarized in Table 20:

Table 20 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S}/\text{cm}$)
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
10/8/2019	Outfall	0	0.5	8.09	2,640
11/5/2019	Outfall	N/A	0.8	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent and/or elevated conductivity is still present, additional upstream tracking should be conducted.

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

Outfall 16-995 (Patriot Lane)

Outfall 16-995 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. Because the outfall is typically partially submerged, it is 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 42 – Outfall 16-995 (2019)



Figure 43 – Upstream manhole 16-995 US1 (2019)

The 2017 and 2018 screenings had detergent detections in the upstream manhole.

During the 10/8/2019 screening, detergent was detected in the upstream manhole (1.0 mg/L). The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 1.3 mg/L. Additional samples were collected from upstream locations (see Appendix D for locations and results).

The samples collected from the upstream manhole during prior screenings are summarized in Table 21:

Table 21 - Sample results from outfall 16-995

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/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
10/8/2019	Upstream	0	1.0	7.45	731
11/5/2019	Upstream	N/A	1.3	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 2020. If the detergent is still present, additional tracking should be conducted.

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



Figure 44 – Outfall 16-1205 (2019)



Figure 45 – Upstream curb inlet 16-1205 US1 (2019)

During the 2018 screening, a sample collected from the sump of the curb inlet had a detergent concentration of 0.5 mg/L. No water was leaving the curb inlet through the outlet pipe.

During the 2019 screening, the same condition was observed – water was present in the sump, but no water was leaving through the outlet pipe. A sample collected from the sump had a detergent concentration of 0.6 mg/L. 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 22:

Table 22 - 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
10/8/2019	Upstream	0	0.6	7.64	517

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 2020.

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

Outfall 16-1508 (N. Westfield Street)

Outfall 16-1508 consists of a 54-inch RCP that discharges to Sawyer Creek from the south. The outfall is located approximately 60 feet east of the Westfield Street bridge. The outfall was

previously named 16-487 before it was reconstructed in 2011. Because the outfall is typically partially submerged, it is screened at the upstream manhole (16-1508 US1) located approximately 83 feet upstream of the outfall, in N. Westfield Street.



Figure 46 – Outfall 16-1508 (2019)



Figure 47 – Upstream manhole 16-1508 US1 (2019)

During the 10/8/2019 screening, detergent (0.6 mg/L) and ammonia (1 ppm) were detected in the upstream manhole. The outfall was rescreened on 11/5/2019, and the sample from the manhole had a detergent concentration of 0.5 mg/L and an ammonia concentration of 1 ppm. Additional samples were collected from upstream manholes (see Appendix D for locations and results).

The samples collected from the upstream manhole during prior screenings are summarized in Table 23:

Table 23 - Sample results from outfall 16-1508

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (μS/cm)
5/30/2012	Upstream	1	0	7.90	1,097
6/6/2012	Upstream	0	0	8.21	1,088
9/27/2012	Upstream	3	0	7.80	1,408
9/5/2013	Upstream	0	0	7.82	754
10/7/2014	Upstream	3	0	8.1	1,387
9/28/2015	Upstream	3	0	7.28	1,032
10/18/2016	Upstream	0	0	8.11	1,020
10/17/2017	Upstream	0	0	8.05	1,230
10/25/2018	Upstream	0	0	8.01	1,305
10/8/2019	Upstream	1	0.6	7.76	465
11/5/2019	Upstream	1	0.5	N/A	N/A

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2020. If detergent and/or ammonia are still present, additional upstream tracking should be conducted.

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

STATUS OF PRIOR YEAR'S ISSUES

During the 2018 ongoing screening program, 91 outfalls were screened. The screening revealed 35 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 24 summarizes the issues that were identified in 2018, along with the conditions that were observed during the 2019 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 24 – Outfalls with elevated illicit discharge classifications (prior year)

Outfall	2018 Classification	2018 Reason	2019 Observations	2019 Classification
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole. Detergent detected in upstream manhole pool.	Potential
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2015, 2016 and 2017).	No gross solids observed in upstream manhole.	Unlikely
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole. Detergent detected in upstream manhole.	Potential
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2015, 2016, and 2017).	Persistent gross solids in upstream manhole. Detergent detected in upstream manhole.	Potential

Outfall	2018 Classification	2018 Reason	2019 Observations	2019 Classification
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.)	Persistent gross solids in upstream manhole.	Potential
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole. Detergent detected in upstream manhole.	Potential
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
06-216	Potential	Persistent gross solids in upstream manhole (also present in 2010).	Limited gross solids in upstream manhole.	Unlikely
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2016 and 2017).	Limited gross solids in upstream manhole.	Unlikely
06-253	Potential	Elevated ammonia in upstream manhole sample (also present in 2017).	No chemical indicators above action limits.	Unlikely
06-473	Potential	Detergent detected in manhole (outfall).	No chemical indicators above action limits.	Unlikely
06-494	Potential	Detergent detected in manhole (outfall).	No chemical indicators above action limits.	Unlikely

Outfall	2018 Classification	2018 Reason	2019 Observations	2019 Classification
06-610	Potential	Detergent detected in manhole (outfall).	Upstream manhole dry.	Unlikely
06-810	Potential	Persistent gross solids in upstream manhole.	Persistent gross solids in upstream manhole.	Potential
06-829	Potential	Persistent gross solids in upstream manhole (also present in 2012, 2013 and 2014).	Persistent gross solids in upstream manhole.	Potential
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Limited gross solids in upstream manhole.	Unlikely
09-101c	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012 and 2014).	Outfall now screened at river (09-101). No gross solids observed at outfall.	(Unlikely)
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
12-1328a	Potential	Elevated pH (also present in 2015, 2016 and 2017).	No chemical indicators above action limits.	Unlikely
13-471	Potential	Detergent detected in outfall flow.	Elevated pH and detergent detected in outfall flow.	Potential

Outfall	2018 Classification	2018 Reason	2019 Observations	2019 Classification
13-2332	Potential	Detergent detected in upstream manhole.	Detergent detected in upstream manhole.	Potential
13-3774	Potential	Detergent detected in outfall flow.	Elevated conductivity and detergent detected in outfall flow.	Potential
16-436	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2011).	Limited gross solids in upstream manhole.	Unlikely
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015, 2016 and 2017).	Persistent gross solids in upstream manhole. Detergent detected in upstream manhole.	Potential
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2016 and 2017).	Persistent gross solids in upstream manhole.	Potential
16-660	Potential	Detergent detected in upstream manhole sample (also detected in 2017).	Detergent detected in upstream manhole.	Potential
16-844	Potential	Elevated conductivity and detergent in outfall flow.	Elevated conductivity and detergent in outfall flow.	Potential
16-995	Potential	Detergent detected in upstream manhole sample (also detected in 2017).	Detergent detected in upstream manhole sample.	Potential
16-1205	Potential	Detergent detected in upstream manhole.	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, corrosion, and joint displacement between pipe sections and aprons.

The outfall damage that was observed during the ongoing screening program is summarized in Table 25.

Table 25 – Outfalls with damage

Outfall	Severity	Description
14-999	Minor	End section of pipe displaced 2". Minor concrete damage at end of pipe.
15-1219	Moderate	End of corrugated metal pipe (CMP) split and crushed. Minor corrosion.
15-1067	Moderate	Holes in corrugated metal pipe (CMP).
15-690	Moderate	Holes and corrosion in corrugated metal pipe (CMP).

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 48 – Joint displacement at outfall 14-999 (minor damage)



Figure 49 – Damaged end of pipe at outfall 14-999 (minor damage)



Figure 50 – Corrosion and damaged CMP at outfall 15-1219 (moderate damage)



Figure 51 – Damaged CMP at outfall 15-1067 (moderate damage)



Figure 52 – Damaged CMP at outfall 15-690 (moderate damage)

Deposition

A total of 11 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 26.

Table 26 – Outfalls with deposition

Outfall	Severity	Description
03-173 US1	Minor	4" of sediment in bottom of manhole.
03-381 US1	Moderate	4" of sediment in bottom of manhole.
11-225 US2	Minor	2" of sediment in bottom of manhole.
11-71 US1	Moderate	9" of sediment in bottom of manhole
13-1758	Minor	1" of sediment on apron.
14-999	Minor	1" of sediment inside pipe.
15-1137 US1	Minor	1" of sediment in bottom of manhole and pipe.
15-2108	Minor	4" of sediment on apron and end of pipe.
15-690	Minor	5" of sediment in end of pipe.
16-1205	Minor	2" of sediment on apron.
16-660	Minor	3" 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 53 – Minor deposition in manhole 03-173 US1



Figure 54 – Moderate deposition in manhole 03-381 US1



Figure 55 – Minor deposition in manhole 11-225 US2



Figure 56 – Moderate deposition in manhole 11-71 US1



Figure 57 – Minor deposition at outfall 13-1758



Figure 58 – Minor deposition at outfall 14-999



Figure 59 – Minor deposition in manhole 15-1137 US1



Figure 60 – Minor deposition at outfall 15-2108



Figure 61 – Minor deposition at outfall 15-690



Figure 62 – Minor deposition at outfall 16-1205



Figure 63 – Minor deposition at outfall 16-660

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 27.

Table 27 – Outfalls with erosion

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

The outfall erosion is shown in the photo that follows. The location of the outfall with erosion is shown on the map in Appendix C.



Figure 64 – 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 28.

Table 28 – Outfalls with graffiti

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

The graffiti is shown in the photo that follows. The location of the outfall with graffiti is shown on the map in Appendix C.



Figure 65 – Graffiti near outfall 12-569

2020 ONGOING SCREENING PROGRAM

The 2019 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.

Based on the field observations during the 2019 outfall screening, the current outfall inventory consists of:

- 32 priority outfalls
- 75 non-priority major outfalls
- 312 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 2020 outfall screening program:

- 32 priority outfalls
- 21 non-priority major outfalls
- 30 non-priority non-major outfalls

Ten of the outfalls with potential illicit discharges in 2019 were non-priority outfalls which were not scheduled for reinspection in 2020. However, due to the potential illicit discharges, these outfalls will be added to the list of scheduled outfalls in 2020. All of the other outfalls that had potential or obvious illicit discharges are currently classified as priority outfalls, so they will automatically be rescreened.

In total, 93 outfalls are proposed to be screened in 2020. 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 2019 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 87 outfalls were screened, along with upstream monitoring locations when necessary. Of those 87 outfalls, 55 exhibited unlikely potential of past illicit discharges, and 32 were classified as “potential.” These results are summarized in Figure 66:

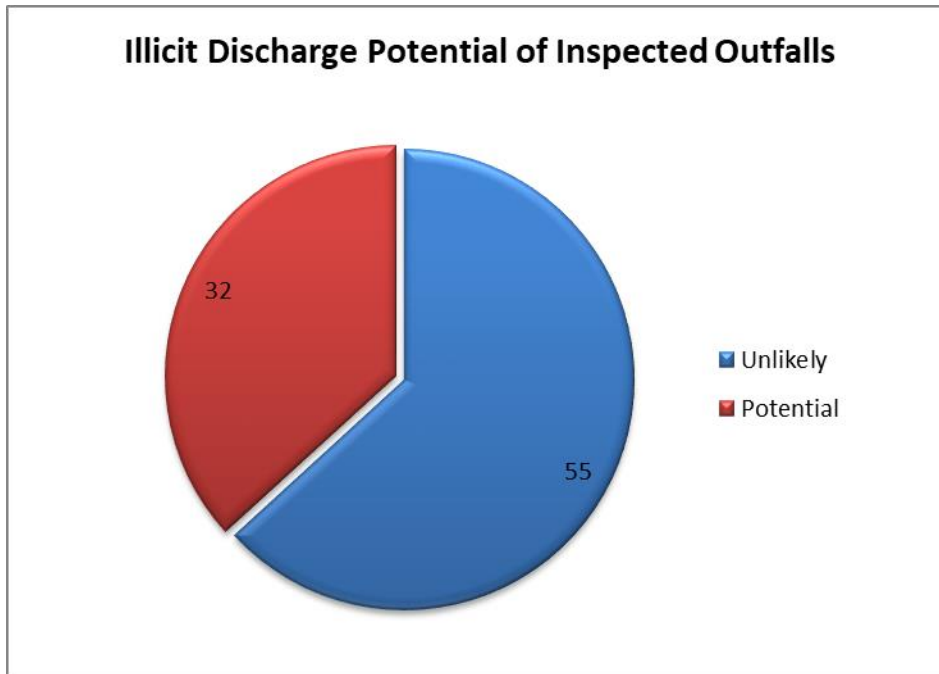


Figure 66 – Illicit discharge potential

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 18 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 2020 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. Televis the segment of storm sewer on Sunnybrook Drive between manholes 16-1227 and 16-1230, to determine the source of dry-weather flow.
3. Schedule televising of the storm sewer branches that were classified as “potential” illicit discharges due to chemical indicators. Prioritize those branches that have had exceedances for multiple years.

The ongoing screening also identified 4 outfalls with visible structural damage, 11 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:

Jason Weis, P.E.
Project Engineer

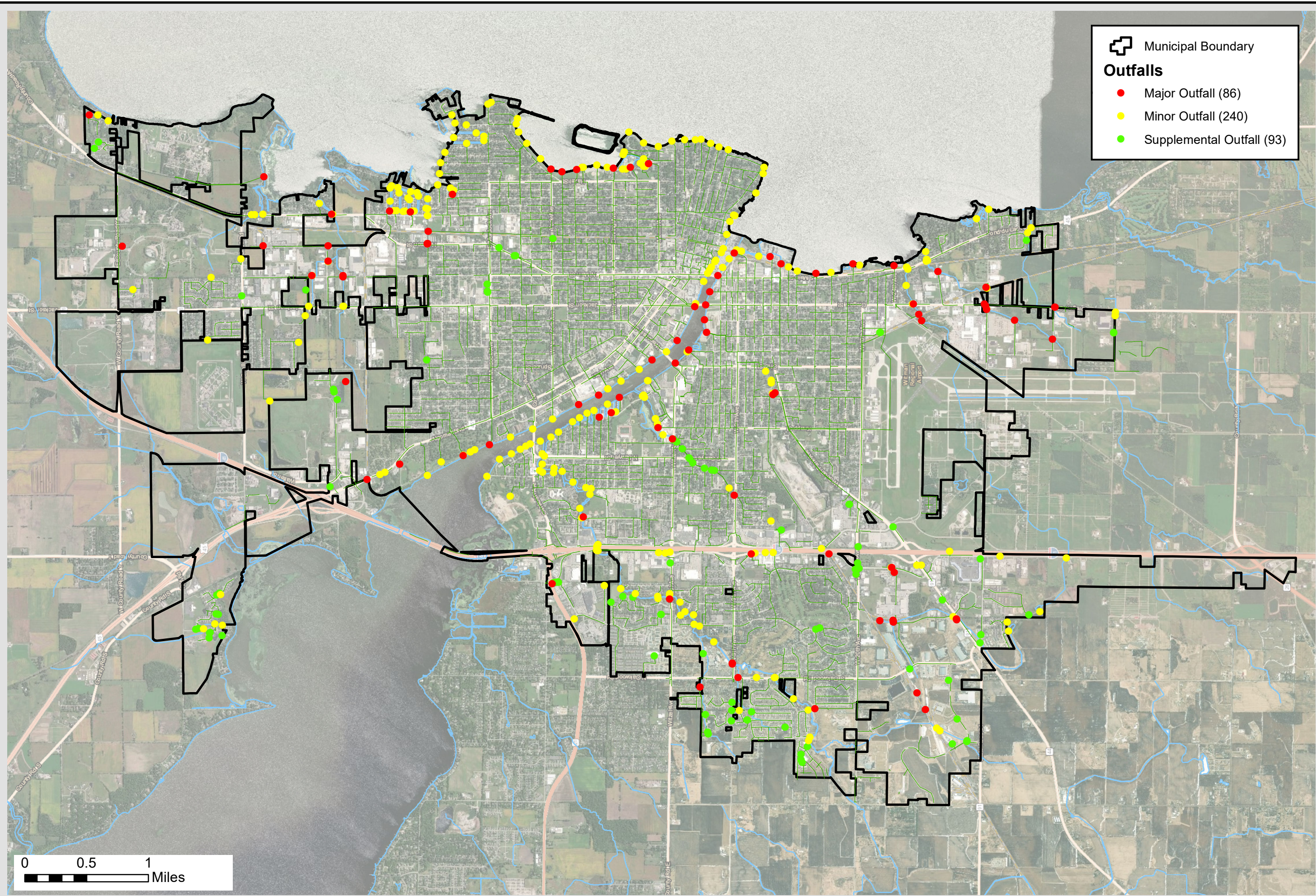
Reviewed By:


Brian D. Wayner, P.E.
Project Manager

Appendix A

MS4 Outfall Maps

- A-1 MS4 Outfall Maps
- A-2 2019 Outfall Inspection Map



 Municipal Boundary

Outfalls

Major Outfall (86)

Minor Outfall (240)

Supplemental Outfall (93)



Project Manager: BDW

Project Engineer: JCW

Drawn By: JCW

Checked By: BDW

Date: 12/20/2019

2019 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP - MAJOR/MINOR STATUS

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN



Omni
ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

PHONE (920) 735-6900

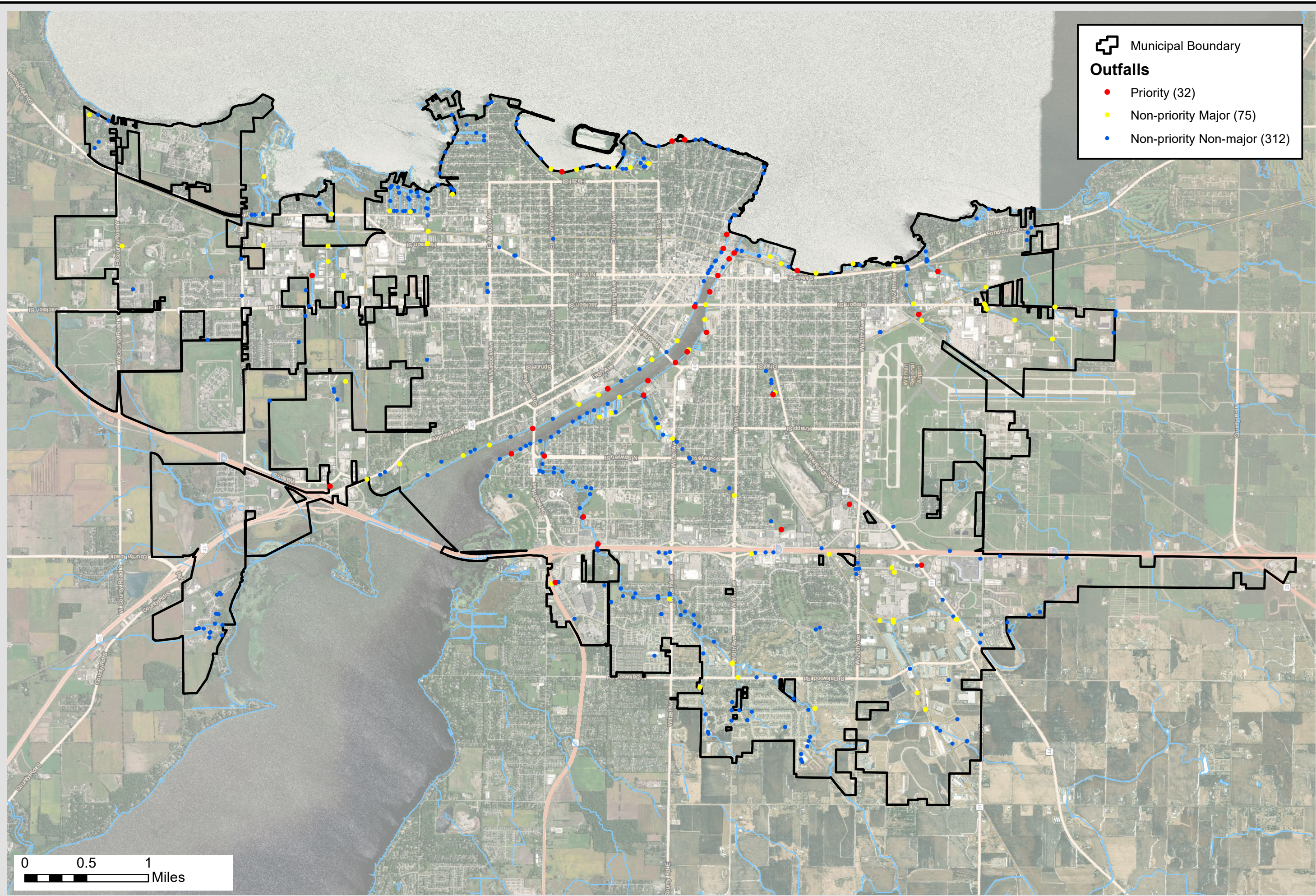
FAX (920) 830-6100


SCALE:
1" = 3,698'

PROJECT NO.
N2029C19

FIGURE NO.
A-1a

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



 Municipal Boundary

Outfalls

- Priority (32)
- Non-priority Major (75)
- Non-priority Non-major (312)



Project Manager: BDW

Project Engineer: JCW

Drawn By: JCW

Checked By: BDW

Date: 12/20/2019

2019 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP - PRIORITY STATUS

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN



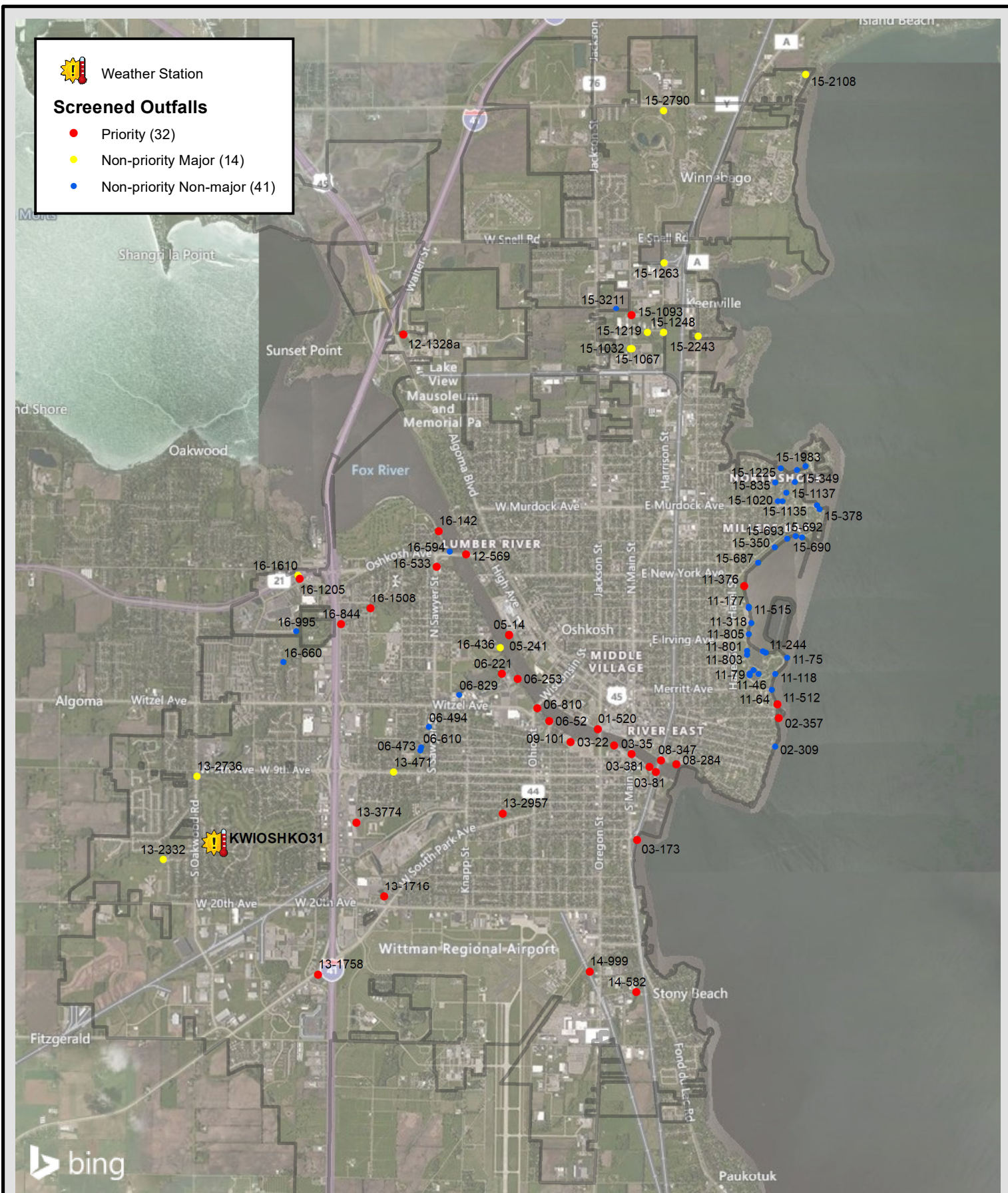
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

SCALE:
1" = 3,698'

PROJECT NO.
N2029C19

FIGURE NO.
A-1b

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



 ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100		2019 IDDE ONGOING SCREENING PROGRAM 2019 OUTFALL INSPECTION MAP		Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 5,047'
				CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN	
				Date: 1/15/2019	FIGURE NO. A-2

Appendix B

Outfall Inspection Reports

City of Oshkosh

MS4 Annual Report - IDDE Program Summary

Total outfalls in inventory: 419 (current through 12/27/2019)

Major outfalls	86	Priority outfalls	32
Minor outfalls	240	Non-priority major outfalls	75
Supplemental outfalls	93	Non-priority non-major outfalls	312

Reporting Period: 1/1/2019 to 12/31/2019

Total outfalls screened during period:	87	% of total outfalls:	21%
Add'l upstream locations screened:	75		

Submerged status of screened outfalls

Not submerged:	9	% of inspected outfalls:	10%
Partially submerged:	21	% of inspected outfalls:	24%
Fully submerged:	57	% of inspected outfalls:	66%

Flow status of screened outfalls

No flow (dry)	2	% of inspected outfalls:	2%
Trickle flow	2	% of inspected outfalls:	2%
Moderate flow	5	% of inspected outfalls:	6%
Substantial flow		% of inspected outfalls:	
Submerged	37	% of inspected outfalls:	43%
Not located	50	% of inspected outfalls:	57%

Illicit discharge potential of screened outfalls

Unlikely:	55	% of inspected outfalls:	63%
Potential:	32	% of inspected outfalls:	37%
Obvious:		% of inspected outfalls:	

Gross solids severity in upstream manholes

None	38	% of upstream manholes:	51%
Minor	22	% of upstream manholes:	29%
Moderate	11	% of upstream manholes:	15%
Severe	4	% of upstream manholes:	5%

Total samples collected during period:	86	% of inspected outfalls:	99%
Flow samples	15	% of samples:	17%
Pool samples	71	% of samples:	83%

Parameter	Min	Max	Action level	# of samples exceeding action level
Ammonia (ppm)	0	1	1	2
Free chlorine (mg/L)	0	0	detection	0
Total chlorine (mg/L)	0	0	detection	0
Detergent (mg/L)	0	1.3	detection	17
Conductivity (µS/cm)	98	2,640	2,000	2
pH (pH units)	6.91	9.27	< 6.0 or > 9.0	1
Temperature (°F)	51	78		

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (μS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
01-520	P	10/8/2019	Ongoing	Submerged (not located)							Potential
01-520	P	11/5/2019	Repeat	Submerged (not located)							Potential
01-520 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.28	381	0	0	0	0.9	Potential
01-520 US1		11/5/2019	Repeat	Submerged, indeterminate						0	Potential
02-309	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
02-309 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.22	465	0	0	0	0	Unlikely
02-357	P	9/17/2019	Ongoing	Submerged (not located)							Potential
02-357 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.03	404	0	0	0	0	Potential
03-173	P	10/8/2019	Ongoing	Submerged (not located)							Potential
03-173	P	11/5/2019	Repeat	Submerged, indeterminate							Potential
03-173 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.64	592	0	0	0	1	Potential
03-173 US1		11/5/2019	Repeat	Submerged, indeterminate						0	Potential
03-22	P	9/18/2019	Ongoing	Submerged (not located)							Potential
03-22	P	10/8/2019	Repeat	Submerged (not located)							Potential
03-22	P	11/5/2019	Repeat	Submerged (not located)							Potential
03-22 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.64	372	0	0	0	1	Potential
03-22 US1		10/8/2019	Repeat	Submerged, indeterminate	7.58	381	0	0	0	1.2	Potential
03-22 US1		11/5/2019	Repeat	Submerged, indeterminate						0	Potential
03-35	P	9/18/2019	Ongoing	Submerged (not located)							Potential
03-35	P	10/8/2019	Repeat	Submerged (not located)							Potential
03-35	P	11/5/2019	Repeat	Submerged (not located)							Potential
03-35 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.47	389	0	0	0	1.3	Potential
03-35 US1		10/8/2019	Repeat	Submerged, indeterminate	7.68	415	0	0	0	1.3	Potential
03-35 US1		11/5/2019	Repeat	Submerged, indeterminate						0	Potential
03-381	P	9/17/2019	Ongoing	Submerged (not located)							Potential
03-381 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.16	381	0.5	0	0	0	Potential
03-81	P	9/17/2019	Ongoing	Submerged (not located)							Potential
03-81 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.07	399	0	0	0	0	Potential
05-14	P	9/18/2019	Ongoing	Submerged (not located)							Potential
05-14 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.90	383	0	0	0	0	Potential
05-241	P	9/18/2019	Ongoing	Submerged (not located)							Unlikely
05-241 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.49	564	0.5	0	0	0	Unlikely
06-216	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
06-216 US1		9/18/2019	Ongoing	Submerged, significant flow	7.42	1,252	0	0	0	0	Unlikely
06-221	P	9/18/2019	Ongoing	Submerged (not located)							Unlikely
06-221 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.43	170	0	0	0	0	Unlikely
06-253	P	9/18/2019	Ongoing	Submerged, significant flow							Unlikely
06-253 US1		9/18/2019	Ongoing	Submerged, slight flow	7.38	1,261	0	0	0	0	Unlikely

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
06-473	NPNM	9/18/2019	Ongoing	Moderate	8.18	417	0	0	0	0	Unlikely
06-494	NPNM	9/18/2019	Ongoing	Trickle							Unlikely
06-494 US1		9/18/2019	Ongoing	Trickle	8.42	1,449	0	0	0	0	Unlikely
06-52	P	9/18/2019	Ongoing	Submerged (not located)							Potential
06-52 US1		9/18/2019	Ongoing	Submerged, no flow	8.40	391	0	0	0	0	Potential
06-610	NPNM	9/18/2019	Ongoing	None							Unlikely
06-810	P	9/18/2019	Ongoing	Submerged (not located)							Potential
06-810 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.62	387	0	0	0	0	Potential
06-829	NPNM	10/8/2019	Ongoing	Submerged (not located)							Potential
06-829 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.47	1,533	0	0	0	0	Potential
08-284	P	9/17/2019	Ongoing	Submerged (not located)							Potential
08-284 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.79	341	0	0	0	0	Potential
08-347	P	9/17/2019	Ongoing	Submerged (not located)							Unlikely
08-347 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.56	356	0	0	0	0	Unlikely
09-101	P	10/8/2019	Ongoing	Submerged, significant flow	7.89	1,257	0	0	0	0	Unlikely
11-118	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-118 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.50	436	0	0	0	0	Unlikely
11-177	NPNM	9/17/2019	Ongoing	Submerged (not located)							Potential
11-177 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.13	316	0	0	0	0	Potential
11-225	NPNM	9/17/2019	Ongoing	Submerged, indeterminate							Unlikely
11-225 US2		9/17/2019	Ongoing	Submerged, indeterminate	7.37	519	0	0	0	0	Unlikely
11-244	NPNM	9/17/2019	Ongoing	Submerged, indeterminate							Unlikely
11-244 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.84	450	0	0	0	0	Unlikely
11-247	NPNM	9/17/2019	Ongoing	Submerged, indeterminate	8.76	340	0	0	0	0	Unlikely
11-318	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-318 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.78	340	0	0	0	0	Unlikely
11-376	P	9/17/2019	Ongoing	Submerged (not located)							Potential
11-376 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.94	439	0	0	0	0	Potential
11-46	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-46 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.86	347	0	0	0	0	Unlikely
11-512	P	9/17/2019	Ongoing	Submerged (not located)							Potential
11-512 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.23	333	0	0	0	0	Potential
11-515	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-515	NPNM	11/5/2019	Repeat	Submerged (not located)							Unlikely
11-515 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.27	1,160	1	0	0	0	Unlikely
11-515 US1		11/5/2019	Repeat	Submerged, indeterminate			0			0	Unlikely
11-64	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-64 US1		9/17/2019	Ongoing	Submerged, indeterminate	6.91	98	0	0	0	0	Unlikely
11-69	NPNM	9/17/2019	Ongoing	Submerged, indeterminate							Unlikely

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
11-69 US1a		9/17/2019	Ongoing	Submerged, indeterminate	8.40	334	0	0	0	0	Unlikely
11-71	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-71 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.06	334	0	0	0	0	Unlikely
11-75	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-75 US1		9/17/2019	Ongoing	None							Unlikely
11-79	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-79 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.35	574	0	0	0	0	Unlikely
11-801	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-801 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.35	326	0	0	0	0	Unlikely
11-803	NPNM	9/17/2019	Ongoing	Submerged, indeterminate							Unlikely
11-803 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.39	423	0	0	0	0	Unlikely
11-805	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
11-805 US1		9/17/2019	Ongoing	Submerged, indeterminate	7.43	890	0.5	0	0	0	Unlikely
12-1328a	P	10/8/2019	Ongoing	Moderate	8.16	1,014	0	0	0	0	Unlikely
12-569	P	9/18/2019	Ongoing	Submerged (not located)							Potential
12-569 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.30	419	0	0	0	0	Potential
13-1716	P	10/8/2019	Ongoing	Submerged, no flow	7.27	383	0	0	0	0	Unlikely
13-1758	P	10/8/2019	Ongoing	Moderate	7.82	1,251	0	0	0	0	Unlikely
13-2332	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Potential
13-2332	NPM	11/5/2019	Repeat	Submerged, indeterminate							Potential
13-2332 US1		10/8/2019	Ongoing	Moderate	7.62	1,054	0	0	0	0.8	Potential
13-2332 US1		11/5/2019	Repeat	Submerged, slight flow						0.7	Potential
13-2736	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Potential
13-2736	NPM	11/5/2019	Repeat	Submerged, indeterminate							Potential
13-2736 US2		10/8/2019	Ongoing	Submerged, indeterminate	7.74	799	0	0	0	1.1	Potential
13-2736 US2		11/5/2019	Repeat	Submerged, indeterminate						1.3	Potential
13-2957	P	9/18/2019	Ongoing	Submerged, indeterminate							Potential
13-2957	P	10/8/2019	Repeat	Submerged, indeterminate							Unlikely
13-2957	P	11/5/2019	Repeat	Submerged, indeterminate							Potential
13-2957 US1a		9/18/2019	Ongoing	Submerged, indeterminate	7.90	1,265	0	0	0	0.75	Potential
13-2957 US1a		10/8/2019	Repeat	Submerged, indeterminate	7.65	1,354	0	0	0	0	Unlikely
13-2957 US1a		11/5/2019	Repeat	Submerged, indeterminate						0.6	Potential
13-3774	P	10/8/2019	Ongoing	Moderate	7.66	2,470	0	0	0	0	Potential
13-471	NPM	9/18/2019	Ongoing	Submerged, slight flow	9.27	368	0	0	0	0	Potential
13-471	NPM	11/5/2019	Repeat	Submerged, indeterminate	8.18	680				0.8	Potential
14-582	P	10/8/2019	Ongoing	Submerged, indeterminate							Potential
14-582	P	11/5/2019	Repeat	Submerged, indeterminate							Potential
14-582 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.40	1,715	0	0	0	0.9	Potential
14-582 US1		11/5/2019	Repeat	Submerged, slight flow						0.6	Potential

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
14-999	P	10/8/2019	Ongoing	Submerged, significant flow	7.85	741	0	0	0	1	Potential
14-999	P	11/5/2019	Repeat	Submerged, significant flow						0	Unlikely
15-1020	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-1020 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.67	472	0	0	0	0	Unlikely
15-1032	NPM	10/8/2019	Ongoing	Submerged (not located)							Unlikely
15-1032 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.71	1,068	0	0	0	0	Unlikely
15-1067	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Unlikely
15-1067 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.52	1,310	0	0	0	0	Unlikely
15-1093	P	10/8/2019	Ongoing	Submerged (not located)							Unlikely
15-1093 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.62	499	0	0	0	0	Unlikely
15-1135	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-1135 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.70	345	0	0	0	0	Unlikely
15-1137	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-1137 US1		9/18/2019	Ongoing	None							Unlikely
15-1219	NPM	10/8/2019	Ongoing	Moderate	7.40	698	0	0	0	0	Unlikely
15-1225	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-1225 US2		9/18/2019	Ongoing	Submerged, indeterminate	7.67	438	0	0	0	0	Unlikely
15-1248	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Unlikely
15-1248 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.94	878	0	0	0	0	Unlikely
15-1263	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Unlikely
15-1263 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.75	757	0	0	0	0	Unlikely
15-1494	NPNM	9/18/2019	Ongoing	Submerged, indeterminate							Unlikely
15-1494 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.21	305	0	0	0	0	Unlikely
15-1983	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-1983 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.86	396	0	0	0	0	Unlikely
15-2108	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Unlikely
15-2108 US2		10/8/2019	Ongoing	Submerged, slight flow	7.22	673	0	0	0	0	Unlikely
15-2243	NPM	10/8/2019	Ongoing	Submerged (not located)							Potential
15-2243	NPM	11/5/2019	Repeat	Submerged (not located)							Potential
15-2243 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.38	1,212	0	0	0	1	Potential
15-2243 US1		11/5/2019	Repeat	Submerged, indeterminate						0.6	Potential
15-2790	NPM	10/8/2019	Ongoing	Submerged, indeterminate							Unlikely
15-2790 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.34	1,080	0	0	0	0	Unlikely
15-3211	NPNM	11/5/2019	Ongoing	Submerged, indeterminate							Potential
15-3211 US1		11/5/2019	Ongoing	Submerged, indeterminate	8.38	1,074	0	0	0	0.4	Potential
15-3212	NPM	10/8/2019	Ongoing	Submerged, slight flow							Unlikely
15-3212 US1		10/8/2019	Ongoing	Submerged, slight flow	7.59	836	0	0	0	0	Unlikely
15-349	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-349 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.15	104	0	0	0	0	Unlikely

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
15-350	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
15-350 US1a		9/17/2019	Ongoing	Substantial	7.85	944	0	0	0	0	Unlikely
15-350 US1b		9/17/2019	Ongoing	Moderate	8.35	1,074	0	0	0	0	Unlikely
15-378	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-378 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.57	572	0	0	0	0	Unlikely
15-687	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
15-687 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.10	333	0	0	0	0	Unlikely
15-690	NPNM	9/17/2019	Ongoing	Submerged, indeterminate							Unlikely
15-690 US1a		9/17/2019	Ongoing	Submerged, indeterminate	7.74	521	0	0	0	0	Unlikely
15-692	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
15-692 US1		9/17/2019	Ongoing	Submerged, indeterminate	8.04	328	0	0	0	0	Unlikely
15-693	NPNM	9/17/2019	Ongoing	Submerged (not located)							Unlikely
15-693 US1a		9/17/2019	Ongoing	Submerged, indeterminate	7.52	141	0	0	0	0	Unlikely
15-804	NPNM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
15-804 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.98	346	0	0	0	0	Unlikely
15-835	NPNM	9/18/2019	Ongoing	Submerged, indeterminate							Unlikely
15-835 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.13	339	0	0	0	0	Unlikely
16-1205	P	10/8/2019	Ongoing	Submerged, indeterminate							Potential
16-1205 US1		10/8/2019	Ongoing	None	7.64	517	0	0	0	0.6	Potential
16-142	P	9/18/2019	Ongoing	Submerged (not located)							Unlikely
16-142 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.03	458	0.5	0	0	0	Unlikely
16-1508	P	10/8/2019	Ongoing	Submerged, indeterminate							Potential
16-1508	P	11/5/2019	Repeat	Submerged, indeterminate							Potential
16-1508 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.76	465	1	0	0	0.6	Potential
16-1508 US1		11/5/2019	Repeat	Submerged, indeterminate			1			0.5	Potential
16-1610	NPM	10/8/2019	Ongoing	None	7.34	1,227	0	0	0	0	Unlikely
16-436	NPM	9/18/2019	Ongoing	Submerged (not located)							Unlikely
16-436 US1		9/18/2019	Ongoing	Submerged, indeterminate	7.25	164	0	0	0	0	Unlikely
16-533	P	10/8/2019	Ongoing	Submerged (not located)							Potential
16-533	P	11/5/2019	Repeat	Submerged (not located)							Unlikely
16-533 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.34	449	0	0	0	0.5	Potential
16-533 US1		11/5/2019	Repeat	Submerged, indeterminate						0	Unlikely
16-594	NPNM	9/18/2019	Ongoing	Submerged (not located)							Potential
16-594 US1		9/18/2019	Ongoing	Submerged, indeterminate	8.27	367	0	0	0	0	Potential
16-660	NPNM	10/8/2019	Ongoing	Submerged, indeterminate							Potential
16-660 US1		10/8/2019	Ongoing	Moderate	7.68	943	0	0	0	0.5	Potential
16-660 US1		11/5/2019	Repeat	Moderate						0.9	Potential
16-844	P	10/8/2019	Ongoing	Trickle	8.09	2,640	0	0	0	0.5	Potential
16-844	P	11/5/2019	Repeat	Trickle						0.8	Potential

Outfall Screening Summary

Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (μS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
16-995	NPNM	10/8/2019	Ongoing	Submerged, indeterminate							Potential
16-995 US1		10/8/2019	Ongoing	Submerged, indeterminate	7.45	731	0	0	0	1	Potential
16-995 US1		11/5/2019	Repeat	Submerged, indeterminate						1.3	Potential

*Priority Class:

P = Priority Outfall

NPM = Non-Priority Outfall

NPNM = Non-Priority Non-Major Outfall

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

o20191008081440.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: 11/5/2019 11:04:00 AM Inspector: JCW Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged - screened upstream at 01-520 US1. Follow-up inspection for sampling - limited screening conducted.

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

o20191105110258.JPG

2019

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: 10/8/2019 9:16:36 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 - screened upstream at 01-520 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20191008081446.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>	

Inspection Date: 10/24/2018 11:06:05 AM		Type: Ongoing	Flow: Submerged, indeterminate	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 - screened upstream at 01-520 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181024110412.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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		
Submerged: Fully		Depth (in): 39		
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 01-520 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171017151448.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

Inspection Date: 10/18/2016 3:38:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 33		
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 Outfall fully submerged - screened upstream at 01-520 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018153652.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	


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	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located during this screening - screened at 01-520 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm		None	Erosion: None	
Free Chlorine: -- ppm		None	Deposition: None in.	
Ammonia: -- ppm		None	Damage: None	
pH: -- units		None		
Temperature -- °F		None		
Conductivity: -- µS/cm		None		
Detergents: -- mg/L		None		



o20150922130830.JPG

2015


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	
Submerged: Fully		Depth (in): 56	Outfall fully submerged - screened upstream at 01-520 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm		None	Erosion: None	
Free Chlorine: -- ppm		None	Deposition: None in.	
Ammonia: -- ppm		None	Damage: None	
pH: -- units		None		
Temperature -- °F		Moderate		
Conductivity: -- µS/cm		None		
Detergents: -- mg/L		None		



o20141009073704.JPG

2014


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		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm		None	Erosion: None	
Free Chlorine: -- ppm		None	Deposition: None in.	
Ammonia: -- ppm		None	Damage: None	
pH: -- units		None		
Temperature -- °F		Moderate		
Conductivity: -- µS/cm		None		
Detergents: -- mg/L		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		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm		None	Erosion: None	
Free Chlorine: -- ppm		None	Deposition: None in.	
Ammonia: -- ppm		None	Damage: None	
pH: -- units		None		
Temperature -- °F		None		
Conductivity: -- µS/cm		None		
Detergents: -- mg/L		None		



o20120927085734.JPG

2012

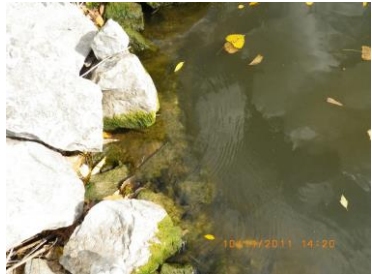
Inspection Date: 6/21/2012 10:35:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Gross solids pre-screening. Outfall fully submerged; screened upstream at 01-520 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None 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		



06/21/2012 10:28
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 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		



10/11/2011 14:20
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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 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		



08-25-2010 12:37
o20100825123724.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in): 56			Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 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		



09-09-2009 11:31
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

o20191008081516.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: 11/5/2019 11:05:04 AM **Inspector:** JCW **Inspection Type:** Repeat
Previous Rainfall (hrs): 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 67

Illicit Discharge Potential: Potential
Notes: Detergent detection follow-up. Limited screening conducted.

Floatables:

Odor:

Turbidity:

Color:

Gross Solids:

Vegetation:

Benthic Growth:

Stains:

Non-illicit:

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191105110322.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-66

Time Collected: 11:05

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0 mg/L

Inspection Date: 10/8/2019 9:18:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 73		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole. Detergent detected.		
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: Severe			
Temperature 61 °F	Vegetation: None			
Conductivity: 381 µS/cm	Benthic Growth: None			
Detergents: 0.9 mg/L	Stains: None			
	Non-illicit: None			



o20191008081524.JPG

2019

Inspection Date: 10/24/2018 11:07:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 70		
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: 8.02 units	Gross Solids: Severe			
Temperature 49 °F	Vegetation: None			
Conductivity: 336 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181024110538.JPG

2018

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			



o20171017151640.JPG

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			



o20161018153916.JPG

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	Notes	
Submerged: Fully		Depth (in): 70	Floating gross solids (litter) 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:	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	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20150922130946.JPG

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	Notes	
Submerged: Fully		Depth (in): 64	Floating gross solids (litter) inside manhole.	
Sampling Results				
Sample Location:	Pool	Floatables:	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	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20141009073910.JPG

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				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	8.51 units	Gross Solids:	Severe	
Temperature	76 °F	Vegetation:	None	
Conductivity:	424 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



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				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0.5 ppm	Color:	None	
pH:	7.77 units	Gross Solids:	Severe	
Temperature	60 °F	Vegetation:	None	
Conductivity:	542 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



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				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Severe		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	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				
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	None		
pH: 8.49 units	Gross Solids:	Severe		
Temperature 71 °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



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 Abnormal detergent analysis result (bubbles). Significant floatables in manhole. Brown color.			
Submerged: Fully		Depth (in): 61					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottl 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		Osh09_DSCN6718.JPG 2009	
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.6 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L							

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

o20190917132540.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: 9/17/2019 2:26:03 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 02-309 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



o20190917132548.JPG

2019

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: 10/22/2018 10:23:45 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 02-309 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181022102328.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>		

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 <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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
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																				



o20111003094448.JPG

2011

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 <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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
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																				



o20110510082548.JPG

2011

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):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917132608.JPG

Outfall Notes:

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

County Coordinates:

Northing: 471,734

Easting: 798,678

Latitude/Longitude:

Latitude: 44.01360

Longitude: -88.51643

Location Map**Inspection Date:** 9/17/2019 2:28:11 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully 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: 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

o20190917132614.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-88

Time Collected: 14:27

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.22 units

Temperature (field): 75 °F

Conductivity (field): 465 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/22/2018 10:26:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 34		
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: 7.46 units	Gross Solids: Moderate			
Temperature 58 °F	Vegetation: None			
Conductivity: 498 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2018

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			

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			

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			

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	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Notes																																			
Submerged: Fully Depth (in): 32																																						
<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>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>7.71 units</td></tr> <tr><td>Temperature:</td><td>60 °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>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:	7.71 units	Temperature:	60 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	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:	7.71 units																																					
Temperature:	60 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: 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	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Notes Limited screening conducted for upstream manhole prescreening.																																			
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>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																																					
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																																					
			<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: 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

o20190917131530.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

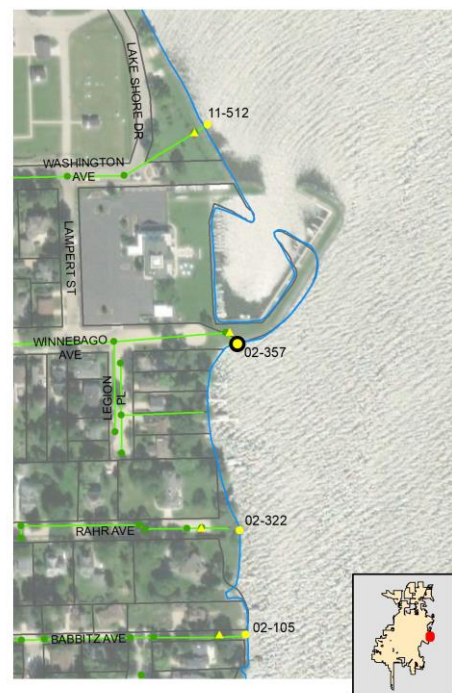
Easting: 798,869

Latitude/Longitude:

Latitude: 44.01661

Longitude: -88.51570

Location Map



Inspection Date: 9/17/2019 2:15:46 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 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

o20190917131538.JPG

2019

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: 10/22/2018 10:13:07 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 02-357 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181022101158.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	


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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not located - screened upstream at 02-357 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		



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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged; screened upstream at 02-357 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		



o20120927073330.JPG

2012


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	Notes	
Submerged: Fully Depth (in):			Gross solids pre-screening. Outfall fully submerged; screened upstream at 02-357 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		



o20120620070830.JPG

2012


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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 02-357 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		



o20111003102714.JPG

2011

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 <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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-357 US1.		
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 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																					



o20110510085116.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:

02-357

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917131636.JPG

Outfall Notes:

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



County Coordinates:

Northing: 472,861

Easting: 798,850

Latitude/Longitude:

Latitude: 44.01669

Longitude: -88.51577

Inspection Date: 9/17/2019 2:18:49 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 42

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

Illicit Discharge Potential: Potential

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

o20190917131642.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-98

Time Collected: 14:17

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.03 units

Temperature (field): 76 °F

Conductivity (field): 404 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: 10/22/2018 10:15:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
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: 7.17 units	Gross Solids: Slight			
Temperature 60 °F	Vegetation: None			
Conductivity: 506 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022101258.JPG

2018


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		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: 7.57 units	Gross Solids: Moderate			
Temperature 67 °F	Vegetation: None			
Conductivity: 537 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



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		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 65 °F	Vegetation: None			
Conductivity: 654 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



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		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: 7.84 units	Gross Solids: Moderate			
Temperature 65 °F	Vegetation: None			
Conductivity: 459 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			





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	Notes	
Submerged: Fully		Depth (in): 35	Floating gross solids (litter) 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:	7.58 units	Gross Solids:	Moderate	
Temperature:	62 °F	Vegetation:	None	
Conductivity:	707 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
			 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.	
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:	7.73 units	Gross Solids:	Slight	
Temperature:	60 °F	Vegetation:	None	
Conductivity:	518 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
			 o20120927073352.JPG 2012	

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.	
Sampling Results				
Sample Location:		Floatables:	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:	Slight	
Detergents:	-- mg/L	Stains:	None	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None
			 o20120620070908.JPG 2012	

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.	
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:	7.1 units	Gross Solids:	Severe	
Temperature:	61 °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
			 o20111003103104.JPG 2011	

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 Limited screening conducted for upstream manhole prescreening.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location:		Floatables: None		
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		 <p>o20110510085154.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2011</p>

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

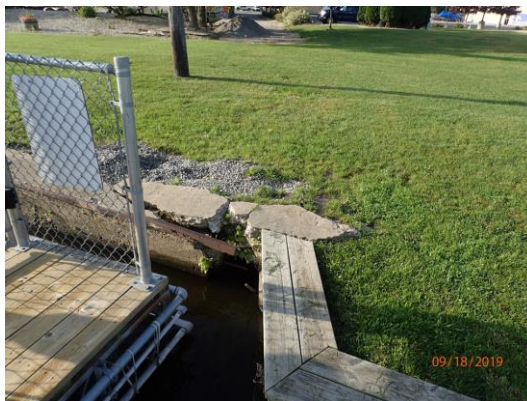
Diameter (in):

Height/Depth (in): 36

Width (in): 58

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190918071538.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: 11/5/2019 11:27:00 AM Inspector: JCW Inspection Type: Repeat 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. Follow-up inspection for sampling - limited screening conducted.

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

Outfall
Not
Located

Photo Not Available

2019

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: 10/8/2019 8:34:00 AM		Type: Repeat	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 03-22 US1. Follow-up inspection for sampling - limited screening conducted. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	




o20191008073428.jpg
2019

Inspection Date: 9/18/2019 8:16:51 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. Floating gross solids (litter) and detergent in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	




o20190918071544.JPG
2019

Inspection Date: 10/22/2018 3:53:56 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 03-22 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	





o20181022155222.JPG
2018


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. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	





o20171018151946.JPG
2017


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		Notes		 <p style="text-align: center;">o20161018160304.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2016</p>	
Submerged: Fully		Depth (in):		Outfall not located and assumed submerged - screened upstream at 03-22 US1.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graftiti:		None	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				


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		Notes		 <p style="text-align: center;">o20150923065132.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2015</p>	
Submerged: Fully		Depth (in):		Significant sinking above suspected pipe. Outfall not located - screened at 03-22 US1.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graftiti:		None	in.
Total Chlorine: -- ppm		Odor:	None	Erosion:		None	
Free Chlorine: -- ppm		Turbidity:	None	Deposition:		None	
Ammonia: -- ppm		Color:	None	Damage:		Severe	
pH: -- units		Gross Solids:	None				
Temperature -- °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: -- mg/L		Stains:	None				
		Non-illicit:	None				


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		Notes		 <p style="text-align: center;">o20141009084834.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2014</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 03-22 US1.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graftiti:		None	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				


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		Notes		 <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):		2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graftiti:		None	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				

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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged; screened upstream at 03-22 US1.		
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 in. Damage: None		
		 o20120927082846.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>		

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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Gross solids pre-screening.		
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 in. Damage: None		
		 o20120620082248.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>		

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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.		
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		
		 o20111011090250.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.		
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		
		 o20100818101918.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):	 <p style="text-align: center;">Osh09_DSCN6765.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>	
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 0 in. Damage: None	

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

o20190918071720.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: 11/5/2019 11:28:50 AM **Inspector:** JCW **Inspection Type:** Repeat
Previous Rainfall (hrs): 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 47

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. 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 AssessmentGraffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20191105112834.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-58

Time Collected: 11:29

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0 mg/L

Inspection Date: 10/8/2019 8:35:00 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 47		
Sampling Results		Notes Follow-up inspection for sampling - limited screening conducted. 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: 7.58 units	Gross Solids: None			
Temperature 56 °F	Vegetation: None			
Conductivity: 381 µS/cm	Benthic Growth: None			
Detergents: 1.2 mg/L	Stains: None			
	Non-illicit: None			



o20191008073520.jpg

2019

Inspection Date: 9/18/2019 8:19:32 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 49		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) and detergent 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: 8.64 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: 372 µS/cm	Benthic Growth: None			
Detergents: 1 mg/L	Stains: None			
	Non-illicit: None			



o20190918071726.JPG

2019

Inspection Date: 10/22/2018 3:58:28 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 49		
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: 7.68 units	Gross Solids: Moderate			
Temperature 55 °F	Vegetation: None			
Conductivity: 355 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022155408.JPG

2018


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			



o20171018152158.JPG

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	Notes	
Submerged: Fully		Depth (in): 44	Potential illicit discharge due to gross solids.	
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: Faint in bottle			
Ammonia: 0 ppm	Gross Solids: Severe			
pH: 8.15 units	Vegetation: None			
Temperature 66 °F	Benthic Growth: None			
Conductivity: 403 µS/cm	Stains: None			
Detergents: 0 mg/L	Non-illicit: None			



o20161018160430.JPG

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	Notes	
Submerged: Fully		Depth (in): 46	Floating gross solids (litter) in manhole.	
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: Moderate			
pH: 8.44 units	Vegetation: None			
Temperature 70 °F	Benthic Growth: None			
Conductivity: 354 µS/cm	Stains: None			
Detergents: 0 mg/L	Non-illicit: None			



o20150923065324.JPG

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	Notes	
Submerged: Fully		Depth (in): 40	Floatable litter in catchbasin.	
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: Faint in bottle			
Ammonia: 0 ppm	Gross Solids: Severe			
pH: 7.79 units	Vegetation: None			
Temperature 57 °F	Benthic Growth: None			
Conductivity: 442 µS/cm	Stains: None			
Detergents: 0 mg/L	Non-illicit: None			



o20141009085040.JPG

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	
Submerged: Fully		Depth (in): 44	2012 screening follow-up. Significant gross solids - similar to previous years.	
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	
Submerged: Fully		Depth (in): 39	2011 gross solids follow-up.	
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:	Severe	
Temperature:	59 °F	Vegetation:	None	
Conductivity:	398 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



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	
Submerged: Fully		Depth (in): 46	Gross solids pre-screening.	
Sampling Results				
Sample Location:		Floatables:	None	
Total Chlorine:	-- ppm	Odor:	None	
Free Chlorine:	-- ppm	Turbidity:	None	
Ammonia:	-- ppm	Color:	None	
pH:	-- units	Gross Solids:	Severe	
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



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	
Submerged: Fully		Depth (in): 37	2010 screening follow-up. No significant change in volume of floatable debris.	
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:	8.13 units	Gross Solids:	Moderate	
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



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				
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



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			Condition Assessment	
Sample Location: Pool	Floatables: None		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: Faint in bottle			
pH: 7.38 units	Gross Solids: Severe			
Temperature 76 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	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			Condition Assessment	
Sample Location: Pool	Floatables: None		Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.3 units	Gross Solids: Severe			
Temperature 75 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	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):



o20190918070306.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



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 11/5/2019 11:44:00 AM Inspector: JCW Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. Floating gross solids (litter) and detergent 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

o20191105114512.JPG

2019

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: 10/8/2019 8:29:12 AM		Type: Repeat		Flow: Submerged (not located)		Previous Rainfall (hrs): 48-72	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20191008072714.JPG</p> <p style="text-align: center; font-size: 1.2em;">2019</p>	
Submerged: Fully		Depth (in):		Detergent detection follow-up. Limited screening conducted beyond sampling.			
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				

Inspection Date: 9/18/2019 8:05:22 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20190918070310.JPG</p> <p style="text-align: center; font-size: 1.2em;">2019</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 03-35 US1. Floating gross solids (litter) and detergent in manhole.			
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				

Inspection Date: 10/22/2018 3:27:47 PM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 48-72	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20181022152608.JPG</p> <p style="text-align: center; font-size: 1.2em;">2018</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 03-35 US1. Floating gross solids (litter) in manhole.			
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				

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		Notes		 <p style="text-align: center;">o20171018150844.JPG</p> <p style="text-align: center; font-size: 1.2em;">2017</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 03-35 US1. Floating gross solids (litter) in manhole.			
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				


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-35 US1.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20161010094930.JPG

2016


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened at 03-35 US1.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20150923063720.JPG

2015


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-35 US1	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20141009093222.JPG

2014


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		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



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		Floatables:	Condition Assessment	
Sample Location:		None	Gross solids pre-screening.	
Total Chlorine: -- ppm		Odor:	None	
Free Chlorine: -- ppm		None	Gross Solids: None	
Ammonia: -- ppm		Turbidity:	None	
pH: -- units		None	Vegetation: None	
Temperature -- °F		Color:	None	
Conductivity: -- µS/cm		None	Benthic Growth: None	
Detergents: -- mg/L		Gross Solids:	None	
		None	Stains: None	
		Vegetation:	None	
		None	Deposition: None in.	
		Benthic Growth:	None	
		None	Damage: None	
		Stains:	None	
		None		
		Non-illicit:	None	
		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		Floatables:	Condition Assessment	
Sample Location:		None	Gross Solids: None	
Total Chlorine: -- ppm		Odor:	None	
Free Chlorine: -- ppm		None	Vegetation: None	
Ammonia: -- ppm		Turbidity:	None	
pH: -- units		None	Benthic Growth: None	
Temperature -- °F		Color:	None	
Conductivity: -- µS/cm		None	Stains: None	
Detergents: -- mg/L		Gross Solids:	None	
		None	Deposition: None in.	
		Vegetation:	None	
		None	Damage: None	
		Benthic Growth:	None	
		None		
		Stains:	None	
		None		
		Non-illicit:	None	
		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		Floatables:	Condition Assessment	
Sample Location:		None	Gross Solids: None	
Total Chlorine: -- ppm		Odor:	None	
Free Chlorine: -- ppm		None	Vegetation: None	
Ammonia: -- ppm		Turbidity:	None	
pH: -- units		None	Benthic Growth: None	
Temperature -- °F		Color:	None	
Conductivity: -- µS/cm		None	Stains: None	
Detergents: -- mg/L		Gross Solids:	None	
		None	Deposition: None 0 in.	
		Vegetation:	None	
		None	Damage: None	
		Benthic Growth:	None	
		None		
		Stains:	None	
		None		
		Non-illicit:	None	
		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		Floatables:	Condition Assessment	
Sample Location:		None	Gross Solids: None	
Total Chlorine: -- ppm		Odor:	None	
Free Chlorine: -- ppm		None	Vegetation: None	
Ammonia: -- ppm		Turbidity:	None	
pH: -- units		None	Benthic Growth: None	
Temperature -- °F		Color:	None	
Conductivity: -- µS/cm		None	Stains: None	
Detergents: -- mg/L		Gross Solids:	None	
		None	Deposition: None 0 in.	
		Vegetation:	None	
		None	Damage: None	
		Benthic Growth:	None	
		None		
		Stains:	None	
		None		
		Non-illicit:	None	
		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 Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.			
Submerged: Fully		Depth (in):					
Sampling Results Sample Location:		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		Osh09_DSCN6761.JPG 2009	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Odor:	None				
		Turbidity:	None				
		Color:	None				
		Gross Solids:	None				
		Vegetation:	None				
		Benthic Growth:	None				
		Stains:	None				
		Non-illicit:	None				

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

o20190918070316.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: 11/5/2019 11:45:22 AM **Inspector:** JCW **Inspection Type:** Repeat **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 30

Illicit Discharge Potential: Potential

Notes: Detergent detection follow-up. Limited screening conducted. Floating gross solids (litter) and detergent 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



o20191105114518.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-09

Time Collected: 11:45

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: 0 mg/L


Inspection Date: 10/8/2019 8:30:16 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 42		
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: 7.68 units</p> <p>Temperature: 55 °F</p> <p>Conductivity: 415 µS/cm</p> <p>Detergents: 1.3 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</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>Detergent detection follow-up. Limited screening conducted beyond sampling.</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;">o20191008072724.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2019</p>		

Inspection Date: 9/18/2019 8:06:15 AM		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: 8.47 units</p> <p>Temperature: 70 °F</p> <p>Conductivity: 389 µS/cm</p> <p>Detergents: 1.3 mg/L</p> </div> <div> <p>Floatables: None</p> <p>Odor: None</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>Sample collected from submerged pool in manhole. Floating gross solids (litter) and detergent 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;">o20190918070320.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2019</p>		

Inspection Date: 10/22/2018 3:30:12 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 41		
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: 7.81 units</p> <p>Temperature: 56 °F</p> <p>Conductivity: 338 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>		
		 <p style="text-align: center;">o20181022152746.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2018</p>		

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		<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: 66 °F</p> <p>Conductivity: 554 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: 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>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>		
		 <p style="text-align: center;">o20171018151012.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>		


Inspection Date: 10/10/2016 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 32	Potential illicit discharge due to gross solids.	
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: None			
Ammonia: 0 ppm	Gross Solids: Moderate			
pH: 7.54 units	Vegetation: None			
Temperature 63 °F	Benthic Growth: None			
Conductivity: 391 µS/cm	Stains: None			
Detergents: 0 mg/L	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	Notes	
Submerged: Fully		Depth (in): 30	Floating gross solids (litter) in manhole.	
Sampling Results		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
Sample Location: Pool	Odor: None			
Total Chlorine: 0 ppm	Turbidity: None			
Free Chlorine: 0 ppm	Color: Faint in bottle			
Ammonia: 0 ppm	Gross Solids: Moderate			
pH: 8.64 units	Vegetation: None			
Temperature 69 °F	Benthic Growth: None			
Conductivity: 359 µS/cm	Stains: None			
Detergents: 0 mg/L	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	Notes	
Submerged: Fully		Depth (in): 32	Vegetative debris in photo from opening lid.	
Sampling Results		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
Sample Location: Pool	Odor: None			
Total Chlorine: 0 ppm	Turbidity: None			
Free Chlorine: 0 ppm	Color: Faint in bottle			
Ammonia: 0 ppm	Gross Solids: Slight			
pH: 7.86 units	Vegetation: None			
Temperature 58 °F	Benthic Growth: None			
Conductivity: 476 µS/cm	Stains: None			
Detergents: 0 mg/L	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	
Submerged: Fully		Depth (in): 33	2012 screening follow-up. Significant gross solids. Similar to previous years.	
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: Faint in bottle			
Ammonia: 0 ppm	Gross Solids: Severe			
pH: 8.47 units	Vegetation: None			
Temperature 75 °F	Benthic Growth: None			
Conductivity: 425 µS/cm	Stains: Moderate			
Detergents: 0 mg/L	Non-illicit: None			



o20130731113346.JPG

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	
Submerged: Fully		Depth (in): 31	2011 gross solids follow-up.	
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:	8.42 units	Gross Solids:	Severe	
Temperature:	59 °F	Vegetation:	None	
Conductivity:	723 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	Minor 3 in.
			Damage:	None



o20120927081522.JPG

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	
Submerged: Fully		Depth (in): 39	Gross solids pre-screening.	
Sampling Results				
Sample Location:		Floatables:	None	
Total Chlorine:	-- ppm	Odor:	None	
Free Chlorine:	-- ppm	Turbidity:	None	
Ammonia:	-- ppm	Color:	None	
pH:	-- units	Gross Solids:	Severe	
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



o20120620080918.JPG

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	
Submerged: Fully		Depth (in): 19	2010 screening follow-up. Floatable debris still present. Slight petroleum sheen.	
Sampling Results				
Sample Location:	Pool	Floatables:	Severe	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	8.01 units	Gross Solids:	Severe	
Temperature:	71 °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



o20111011092832.JPG

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				
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



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			Condition Assessment	
Sample Location: Pool	Floatables: None		Graffiti: None	
Total Chlorine: 0 ppm	Odor: Faint		Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None		Deposition: None 0 in.	
Ammonia: 0.5 ppm	Color: Faint in bottle		Damage: None	
pH: 7.46 units	Gross Solids: Severe			
Temperature 73 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	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			Condition Assessment	
Sample Location: Pool	Floatables: None		Graffiti: None	
Total Chlorine: 0 ppm	Odor: None		Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None		Deposition: None 0 in.	
Ammonia: -- ppm	Color: None		Damage: None	
pH: 8.23 units	Gross Solids: Severe			
Temperature 73 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	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):



o20190917135854.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

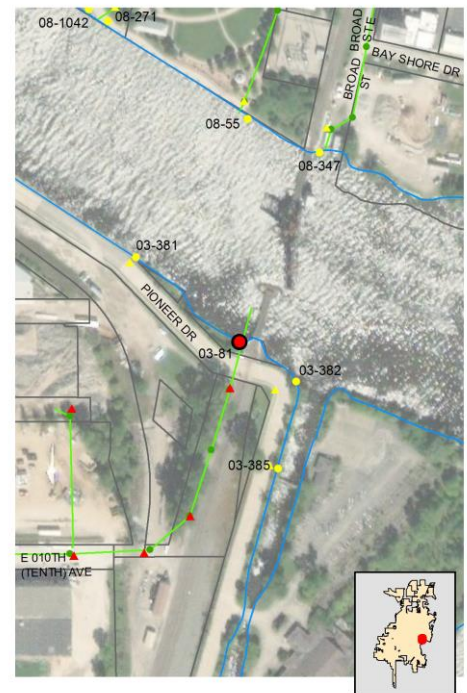
Longitude: -88.53412

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/17/2019 3:00:32 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

o20190917135900.JPG

2019

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: 10/22/2018 3:13:39 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 03-81 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20181022151216.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>


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:	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 located - screened upstream at 03-81 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141009090032.JPG 2014		

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		
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 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 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		
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 03-81 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100818083116.JPG 2010		

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		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 03-81 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 Osh09_DSCN6745.JPG 2009		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-81

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917140128.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.

County Coordinates:

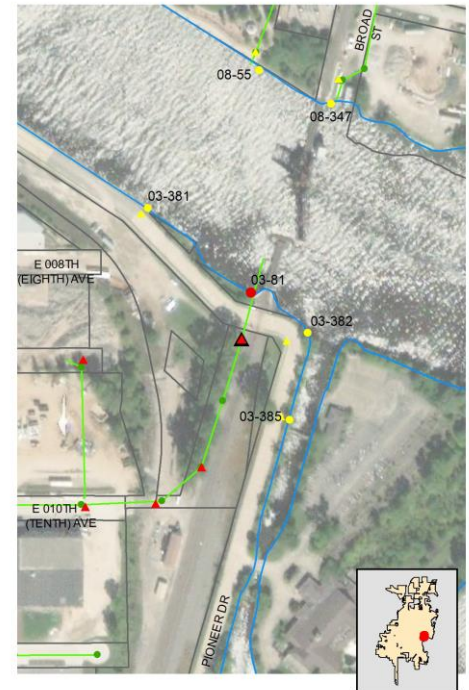
Northing: 470,599

Easting: 793,998

Latitude/Longitude:

Latitude: 44.01048

Longitude: -88.53421

Location Map**Inspection Date:** 9/17/2019 3:03:50 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 52

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

Illicit Discharge Potential: Potential

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

o20190917140134.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-86

Time Collected: 15:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.07 units

Temperature (field): 75 °F

Conductivity (field): 399 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: 10/22/2018 3:18:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 57		
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: 7.62 units	Gross Solids: Moderate			
Temperature 57 °F	Vegetation: None			
Conductivity: 357 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022151626.JPG

2018


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		Notes Elevated ammonia and detergent in sample from manhole pool. Slight sheen observed on surface.		
Sample Location: Pool	Floatables: Moderate	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: Faint in bottle			
pH: 7.22 units	Gross Solids: Slight			
Temperature 66 °F	Vegetation: None			
Conductivity: 1020 µS/cm	Benthic Growth: None			
Detergents: 0.8 mg/L	Stains: None			
	Non-illicit: None			



o20171018145016.JPG

2017


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		Notes Potential illicit discharge due to gross solids and petroleum odor and sheen and elevated ammonia.		
Sample Location: Pool	Floatables: Moderate	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: Faint in bottle			
pH: 7.41 units	Gross Solids: Slight			
Temperature 63 °F	Vegetation: None			
Conductivity: 565 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161010090136.JPG

2016


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		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: 1 ppm	Color: Faint in bottle			
pH: 7.32 units	Gross Solids: Slight			
Temperature 69 °F	Vegetation: None			
Conductivity: 638 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



o20150923061754.JPG

2015


Inspection Date: 10/9/2014 10:07:49 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 44	Petroleum odor and sheen on surface.	
Sampling Results				
Sample Location:	Pool	Floatables:	Moderate	
Total Chlorine:	0 ppm	Odor:	Faint	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0.5 ppm	Color:	None	
pH:	7.58 units	Gross Solids:	Severe	
Temperature	58 °F	Vegetation:	None	
Conductivity:	679 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	Minor 2 in.
			Damage:	None



o20141009090404.JPG

2014


Inspection Date: 10/11/2011 9:46:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 38	2010 screening follow-up. Floatable debris significantly reduced.	
Sampling Results				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0.25 ppm	Color:	None	
pH:	7.68 units	Gross Solids:	Slight	
Temperature	71 °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



o20111011094434.JPG

2011


Inspection Date: 5/26/2011 11:29:00 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



o20110526112952.JPG

2011

Inspection Date: 8/18/2010 8:43:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 47	Petroleum odor likely from residual petroleum in pipes after 2009 jetting.	
Sampling Results				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	Faint	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	6.63 units	Gross Solids:	Moderate	
Temperature	71 °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Moderate	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20100818083958.JPG

2010

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																			
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: Severe</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: Easily detected</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color: Faint in bottle</td> </tr> <tr> <td>pH: 6.98 units</td> <td>Gross Solids: Severe</td> </tr> <tr> <td>Temperature: 73 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: -- 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: Severe	Total Chlorine: 0 ppm	Odor: Easily detected	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: -- ppm	Color: Faint in bottle	pH: 6.98 units	Gross Solids: Severe	Temperature: 73 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: None		Non-illicit: None	Notes Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.	
Sample Location: Pool	Floatables: Severe																				
Total Chlorine: 0 ppm	Odor: Easily detected																				
Free Chlorine: 0 ppm	Turbidity: None																				
Ammonia: -- ppm	Color: Faint in bottle																				
pH: 6.98 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																			



Osh09_DSCN6747.JPG

2009

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

o20191105131408.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

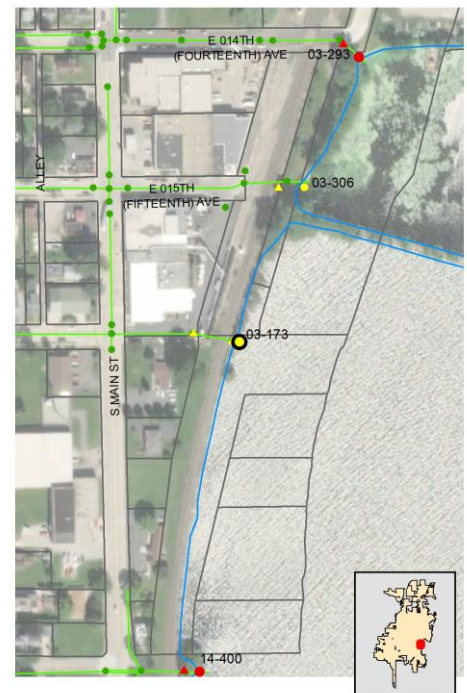
Easting: 793,278

Latitude/Longitude:

Latitude: 44.00340

Longitude: -88.53695

Location Map



Inspection Date: 11/5/2019 1:14:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged - screened upstream at 03-173 US1. Follow-up inspection for sampling - limited screening conducted.

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

o20191105131408.JPG

2019

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: 10/8/2019 8:00:16 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-173 US1. Floating gross solids (litter) in manhole. Detergent detected.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:	Gross Solids: None	
Free Chlorine: -- ppm		Color:	Vegetation: None	
Ammonia: -- ppm		Gross Solids:	Benthic Growth: None	
pH: -- units		Stains:	Deposition: None in.	
Temperature -- °F		Non-illicit:	Damage: None	
Conductivity: -- µS/cm				
Detergents: -- mg/L				



o20191008065912.JPG

2019


Inspection Date: 10/22/2018 1:18:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-173 US1. Floating gross solids (litter) in manhole.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:	Gross Solids: None	
Free Chlorine: -- ppm		Color:	Vegetation: None	
Ammonia: -- ppm		Gross Solids:	Benthic Growth: None	
pH: -- units		Stains:	Deposition: None in.	
Temperature -- °F		Non-illicit:	Damage: None	
Conductivity: -- µS/cm				
Detergents: -- mg/L				



o20181022131820.JPG

2018


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-173 US2. Floating gross solids (litter) in manhole.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:	Gross Solids: None	
Free Chlorine: -- ppm		Color:	Vegetation: None	
Ammonia: -- ppm		Gross Solids:	Benthic Growth: None	
pH: -- units		Stains:	Deposition: None in.	
Temperature -- °F		Non-illicit:	Damage: None	
Conductivity: -- µS/cm				
Detergents: -- mg/L				



o20171018142348.JPG


2017


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-173 US2.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:	Gross Solids: None	
Free Chlorine: -- ppm		Color:	Vegetation: None	
Ammonia: -- ppm		Gross Solids:	Benthic Growth: None	
pH: -- units		Stains:	Deposition: None in.	
Temperature -- °F		Non-illicit:	Damage: None	
Conductivity: -- µS/cm				
Detergents: -- mg/L				





o20161010082552.JPG

2016

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		Notes Outfall fully submerged and not located during this screening - screened at 13-173 US2.		 o20150923054658.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		2015	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

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		Notes Outfall fully submerged - screened upstream at 13-173 US2. Pipe approx 5" below water surface.		 o20141007124746.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		2014	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

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 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 03-173 US2.		 o20111011101022.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 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 2:04:29 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 03-173 US2.		 o20100817135838.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 0 in. Damage: None		2010	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- 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:

03-173

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008070014.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:

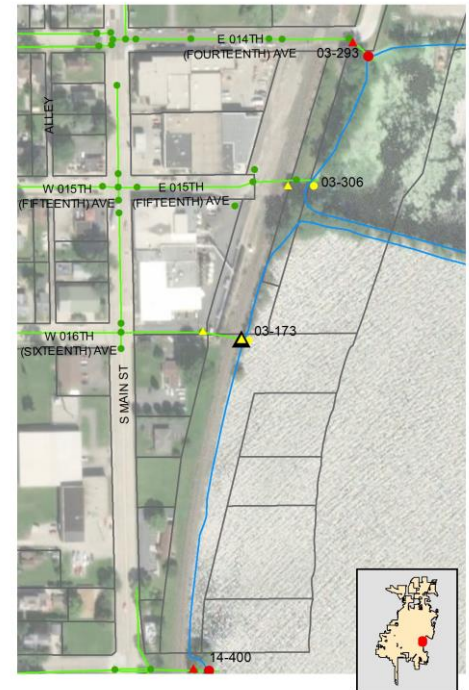
Northing: 468,023

Easting: 793,260

Latitude/Longitude:

Latitude: 44.00341

Longitude: -88.53701

Location Map**Inspection Date:** 11/5/2019 1:15:28 PM**Inspector:** JCW**Inspection Type:** Repeat**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 32

Illicit Discharge Potential: Potential

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

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

o20191105131426.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-79

Time Collected: 13:16

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- 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: 10/8/2019 8:01:54 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 38		
Sampling Results		Notes Manhole 03-173 US2 inaccessible (behind locked gate). Floating gross solids (litter) in manhole. Detergent detected.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.64 units Temperature: 53 °F Conductivity: 592 µS/cm Detergents: 1 mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 4 in. Damage: None		
Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		 o20191008070022.JPG		
2019				

Inspection Date: 10/22/2018 1:24:38 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 Manhole 03-173 US2 inaccessible (behind locked gate). Floating gross solids (litter) in manhole, including 2 syringes.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.18 units Temperature: 59 °F Conductivity: 1229 µS/cm Detergents: 0 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: None Stains: None Non-illicit: None		 o20181022132154.JPG		
2018				

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: -- 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: Moderate		
Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		 o20100817135854.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):



o20190917140936.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

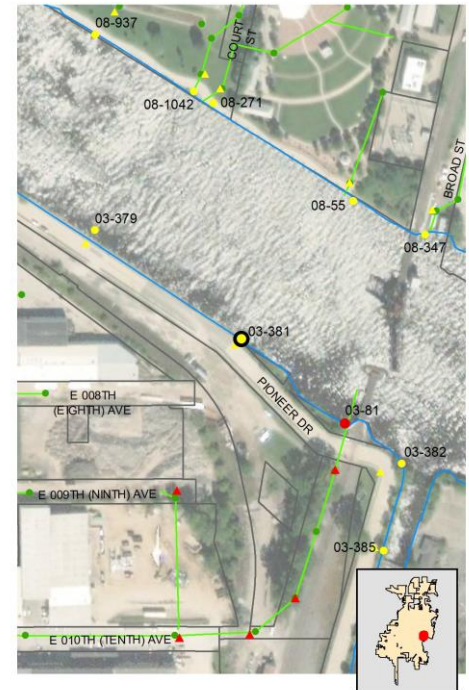
Easting: 793,775

Latitude/Longitude:

Latitude: 44.01137

Longitude: -88.53506

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/17/2019 3:09:53 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

o20190917140942.JPG

2019

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: 10/22/2018 3:03:58 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 03-381 US1. Floating gross solids (litter) in manhole.	 o20181022150212.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


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.	 o20171018150108.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 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.	 o20161010091656.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 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.	 o20150923062656.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: 10/9/2014 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:	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 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		
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 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111011095540.JPG 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		
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 03-381 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20100818085058.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:

03-381

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:

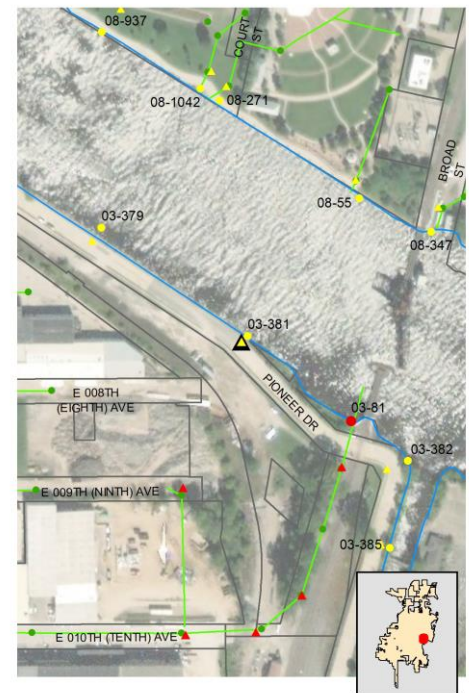
Northing: 470,910

Easting: 793,760

Latitude/Longitude:

Latitude: 44.01134

Longitude: -88.53512

Location Map**Inspection Date:** 9/17/2019 3:11:54 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 13

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

Illicit Discharge Potential: Potential

Floatables: None

Odor: Faint

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: Moderate Depth (in): 4

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage**Photo Not Available****2019****Sampling Results**

Sample Location: Pool

Sample ID: 190917-68

Time Collected: 15:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 7.16 units

Temperature (field): 75 °F

Conductivity (field): 381 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/22/2018 3:06:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 14		
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: 6.73 units	Gross Solids: Slight			
Temperature 59 °F	Vegetation: None			
Conductivity: 877 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			



o20181022150350.JPG

2018

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	Notes		
Submerged: Fully		Depth (in): 14	 <p style="text-align: center;">o20141009092338.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>		
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:	7.79 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		
			Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None		

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		
Submerged: Fully		Depth (in): 12	 <p style="text-align: center;">o20111011095140.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0 ppm	Color:			None
pH:	7.1 units	Gross Solids:			None
Temperature	71 °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		

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		
Submerged: Fully		Depth (in):	 <p style="text-align: center;">o20110526112736.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		
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		

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		
Submerged: Fully		Depth (in): 13	 <p style="text-align: center;">o20100818085124.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>		
Sampling Results					
Sample Location:	Pool	Floatables:			Moderate
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0 ppm	Color:			Faint in bottle
pH:	7.13 units	Gross Solids:			Moderate
Temperature	72 °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): 30

Height/Depth (in):

Width (in):



o20190918134354.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: 9/18/2019 2:47:43 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 fully submerged and not located - screened upstream at 05-14 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

o20190918134402.JPG

2019

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: 10/22/2018 5:09:36 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):		Inspector: JCW	Notes	 <p>o20181022170942.JPG</p> <p>2018</p>
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 05-14 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/17/2017 3:57:26 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):		Inspector: JCW	Notes	 <p>o20171017155038.JPG</p> <p>2017</p>
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 05-14 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/10/2016 3:43:20 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):		Inspector: JCW	Notes	 <p>o20161010154044.JPG</p> <p>2016</p>
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 05-14 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/24/2015 10:30:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Fully Depth (in):		Inspector: JCW	Notes	 <p>o20150924093340.JPG</p> <p>2015</p>
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 at 05-14 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	


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 <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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2. 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:																													
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Detergents: -- mg/L	Stains:																													
	Non-illicit:																													
Graffiti:	None																													
Erosion:	None																													
Deposition:	None 0 in.																													
Damage:	None																													



o20100825142900.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):																												
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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2. 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:																													
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Temperature -- °F	Vegetation:																													
Conductivity: -- µS/cm	Benthic Growth:																													
Detergents: -- mg/L	Stains:																													
	Non-illicit:																													
Graffiti:	None																													
Erosion:	None																													
Deposition:	None 0 in.																													
Damage:	None																													



Osh09_DSCN6696.JPG

2009

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

o20190918134532.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

Location Map**Inspection Date:** 9/18/2019 2:48:24 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 45

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

o20190918134540.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-58

Time Collected: 14:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.90 units

Temperature (field): 78 °F

Conductivity (field): 383 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: 10/22/2018 5:15:36 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 47		
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: Cloudy			
Ammonia: 0 ppm	Color: None			
pH: 7.59 units	Gross Solids: Severe			
Temperature 56 °F	Vegetation: None			
Conductivity: 361 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022171308.JPG

2018


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):



o20190918134354.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: 9/18/2019 2:50:06 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 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

o20190918134402.JPG

2019

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: 10/22/2018 5:11:27 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 05-241 US1.	 o20181022170952.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

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.	 o20171017155038.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 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.	 o20161010154050.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 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.	 o20150924092602.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: 8/25/2010 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		Notes		
Sample Location:		Outfall fully submerged and not physically located. Outfall screened upstream at 05-241 US2.		
Total Chlorine: -- ppm	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: 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			



o20100825142910.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
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			



Osh09_DSCN6696.JPG

2009

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

o20190918135004.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

Location Map**Inspection Date:** 9/18/2019 2:53:05 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 22

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Ammonia below action limit.

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



o20190918135010.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-87

Time Collected: 14:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 7.49 units

Temperature (field): 78 °F

Conductivity (field): 564 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: 10/22/2018 5:20:26 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 23																																				
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>7.55 units</td></tr> <tr><td>Temperature:</td><td>55 °F</td></tr> <tr><td>Conductivity:</td><td>410 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:	7.55 units	Temperature:	55 °F	Conductivity:	410 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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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20181022171816.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

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 <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>		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	<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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pH:	7.4 units																																					
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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																																					
		Notes Detergent detected in 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																																					
				 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																																				
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>7.59 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>1551 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:	7.59 units	Temperature:	69 °F	Conductivity:	1551 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>None</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Slight
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 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																																				
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>7.43 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>474 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:	7.43 units	Temperature:	71 °F	Conductivity:	474 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:	Pool																																					
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pH:	7.43 units																																					
Temperature:	71 °F																																					
Conductivity:	474 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 																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 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):



o20190918074202.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

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/18/2019 8:43:23 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 06-52 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



o20190918074208.JPG

2019

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: 10/22/2018 4:31:59 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 06-52 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181022163054.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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		
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 06-52 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			<div style="text-align: center; font-size: 24pt; font-weight: bold;">Outfall Not Located</div> Photo Not Available <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

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		
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 06-52 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018145652.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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		
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 06-52 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923074404.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	


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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not located - screened upstream at 06-52 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		



o20141009083144.JPG

2014


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	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 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		



o20111011110724.JPG

2011

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	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 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		



o20100818124946.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:

06-52

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918074346.JPG

Outfall Notes:

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

County Coordinates:

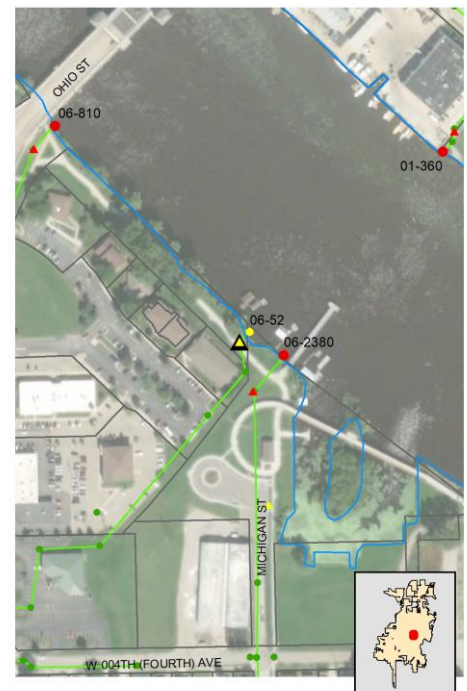
Northing: 472,689

Easting: 789,786

Latitude/Longitude:

Latitude: 44.01621

Longitude: -88.55023



Inspection Date: 9/18/2019 8:45:58 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, no flow

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: 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

o20190918074352.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-20

Time Collected: 08:44

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.40 units

Temperature (field): 70 °F

Conductivity (field): 391 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/22/2018 4:34:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
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: 7.77 units	Gross Solids: Moderate			
Temperature 54 °F	Vegetation: None			
Conductivity: 348 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

2018

Inspection Date: 10/18/2017 11:33:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 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: 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			


2017


Inspection Date: 10/18/2016 3:00:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Potential illicit discharge due to gross solids.		
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			


2016


Inspection Date: 9/23/2015 8:42:53 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: 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			

2015

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		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.82 units Temperature: 56 °F Conductivity: 471 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: Severe Vegetation: None Benthic Growth: Slight 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		 <p style="text-align: center;">o20111011110824.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>	
Submerged: Fully		Depth (in): 35		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.13 units Temperature: 70 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

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		 <p style="text-align: center;">o20110526130522.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>	
Submerged: Fully		Depth (in):		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 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: -- Turbidity: -- Color: -- Gross Solids: Moderate Vegetation: -- Benthic Growth: -- Stains: -- Non-illicit: None					

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		 <p style="text-align: center;">o20100818125018.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>	
Submerged: Fully		Depth (in): 41		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.98 units Temperature: 76 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

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):



o20190918082536.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: 474,404

Easting: 788,575

Latitude/Longitude:

Latitude: 44.02091

Longitude: -88.55484

Mapping Precison:

☒ Not Physically Located

Location Map



Inspection Date: 9/18/2019 9:26:03 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 06-216 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

o20190918082542.JPG

2019

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: 10/24/2018 7:31:02 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 upstream at 06-216 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
				
			o20181024073028.JPG	
			2018	

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	
			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):		
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	
			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:

06-2316

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918082722.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:

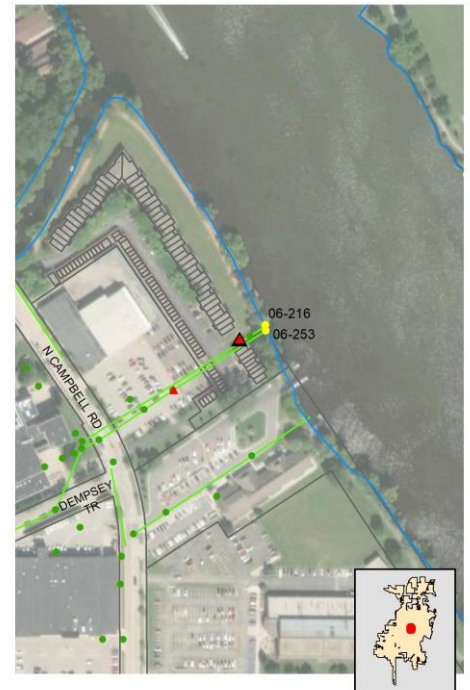
Northing: 474,371

Easting: 788,512

Latitude/Longitude:

Latitude: 44.02082

Longitude: -88.55508



Inspection Date: 9/18/2019 9:30:25 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Fully

Depth (in): 106

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole. Depth may be influenced by current.

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

o20190918082730.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 190918-72

Time Collected: 09:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.42 units

Temperature (field): 71 °F

Conductivity (field): 1252 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: 10/24/2018 7:36:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 108		
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: 7.31 units	Gross Solids: Slight			
Temperature 53 °F	Vegetation: None			
Conductivity: 1242 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20181024073322.JPG
2018

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		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: 6.94 units	Gross Solids: Slight			
Temperature 83 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: 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		Notes River fly swarm inside manhole.		
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: -- ppm	Color: None			
pH: 6.96 units	Gross Solids: None			
Temperature 79 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 Osh09_DSCN6788.JPG
2009

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): 12

Height/Depth (in):

Width (in):



o20190918083630.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

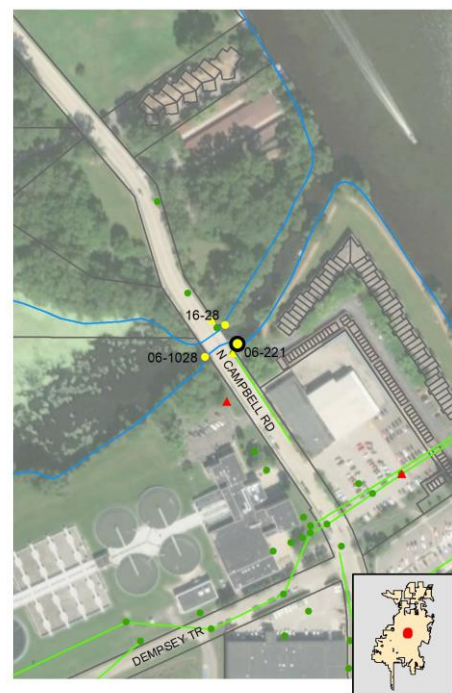
Longitude: -88.55720

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/18/2019 9:37:57 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 06-221 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

o20190918083642.JPG

2019

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: 10/24/2018 7:45:30 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 06-221 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181024074402.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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	Notes	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 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		



o20111011113446.JPG

2011

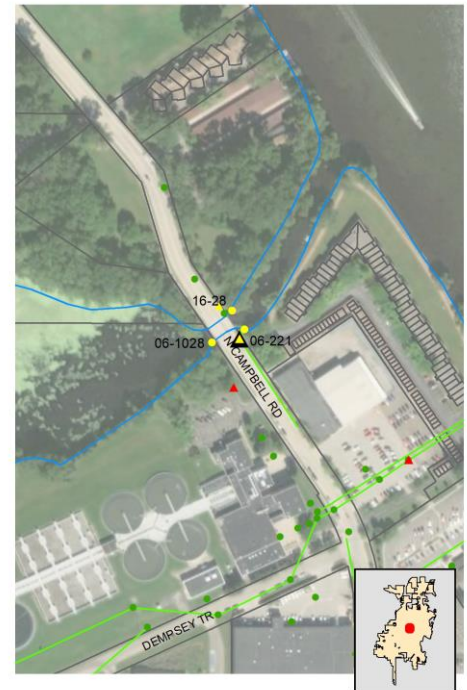
Inspection Date: 8/18/2010 2:38:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1.	
Sampling 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		



o20100818142820.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:

06-221

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190918083746.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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,552

Easting: 787,942

Latitude/Longitude:

Latitude: 44.02132

Longitude: -88.55724

Inspection Date: 9/18/2019 9:40:11 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 39

Illicit Discharge Potential: Unlikely

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

o20190918083752.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-35

Time Collected: 09:38

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.43 units

Temperature (field): 71 °F

Conductivity (field): 170 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/24/2018 7:47:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 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: 7.59 units	Gross Solids: Slight			
Temperature 52 °F	Vegetation: None			
Conductivity: 575 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181024074456.JPG

2018


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			



o20171018105550.JPG

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			



o20161018134038.JPG

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			



o20141007083848.JPG

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	Notes	
Submerged: Fully Depth (in): 32			2010 screening follow-up. Floatable debris still present.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	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			



o20111011113522.JPG

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	
Submerged: Fully Depth (in): 36			Torn paper and other floatable debris in manhole.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	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: 7.21 units	Gross Solids: Moderate			
Temperature 79 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20100818143354.JPG

2010

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

o20190918082324.JPG

Outfall Notes:

Storm sewer from Campbell Rd discharges to river from west. Outfall fully submerged - 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: 9/18/2019 9:25:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged, significant flow causing surface disturbance. Screened upstream at 06-253 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

o20190918082324.JPG

2019

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: 10/24/2018 7:29:02 AM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged, significant flow causing surface disturbance. Screened upstream at 06-253 US1. Elevated ammonia and conductivity in manhole.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 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:			


 o20181024072834.JPG
2018


Inspection Date: 10/19/2017 1:14:17 PM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged with significant flow causing surface disturbance. Screened upstream at 06-253 US1. Elevated ammonia in manhole.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 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:			



 o20171019131334.JPG
2017


Inspection Date: 10/18/2016 1:59:02 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 located - screened upstream at 06-253 US1.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 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:			


 o20161018135746.JPG
2016

Inspection Date: 9/23/2015 9:26:08 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 located - screened at 06-253 US1.		
Sample Location:	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 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:			


 o20150923082910.JPG
2015

Inspection Date: 8/18/2010 1:51:34 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:	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 06-263 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20100818134248.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2010</p>		

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:	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		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">Osh09_DSCN6785.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2009</p>		

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

o20190918084436.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:

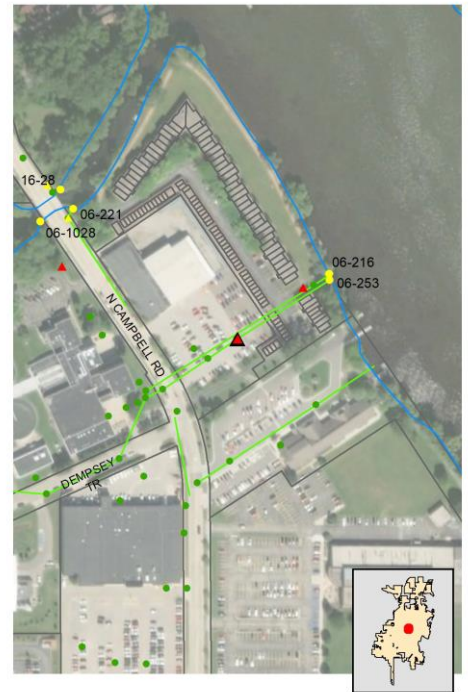
Northing: 474,249

Easting: 788,349

Latitude/Longitude:

Latitude: 44.02049

Longitude: -88.55569



Inspection Date: 9/18/2019 9:48:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Fully Depth (in): 45

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow 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

o20190918084446.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-83

Time Collected: 09:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.38 units

Temperature (field): 71 °F

Conductivity (field): 1261 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/24/2018 7:21:30 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 46		
Sampling Results		Notes Sample collected from submerged flow in manhole. Elevated ammonia and conductivity in sample.		
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: 3 ppm	Color: None			
pH: 7.27 units	Gross Solids: Slight			
Temperature 52 °F	Vegetation: None			
Conductivity: 2280 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181024071720.JPG

2018

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																																														
<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> <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>None</td> </tr> <tr> <td>pH:</td> <td>7.05 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>81 °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: 50%;"> <p>Notes</p> <div style="border: 1px solid black; height: 80px; margin: 5px;"></div> <p>Condition Assessment</p> <table style="width: 100%;"> <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>					Sample Location:	Pool	Floatables:	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	Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:	Pool	Floatables:	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																																													
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	None																																															
				 <p style="text-align: center;">o20100818135922.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>																																												

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): 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> <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>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>6.92 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>79 °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: 50%;"> <p>Notes</p> <div style="border: 1px solid black; padding: 5px;">River fly swarm inside manhole.</div> <p>Condition Assessment</p> <table style="width: 100%;"> <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>					Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	6.92 units	Gross Solids:	None	Temperature:	79 °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																																													
Total Chlorine:	0 ppm	Odor:	None																																													
Free Chlorine:	0 ppm	Turbidity:	None																																													
Ammonia:	-- ppm	Color:	None																																													
pH:	6.92 units	Gross Solids:	None																																													
Temperature:	79 °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																																															
				 <p style="text-align: center;">Osh09_DSCN6791.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:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20190918142338.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: 9/18/2019 3:25:34 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 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

o20190918142346.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-39

Time Collected: 15:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.18 units

Temperature (field): 76 °F

Conductivity (field): 417 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/26/2018 1:18:04 PM		Type: Repeat	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: Partially		Depth (in): 2		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <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> <p>Notes</p> <p>Detergent detection follow-up. Limited screening conducted beyond sampling.</p> </div> </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: 8.25 units</p> <p>Temperature: 55 °F</p> <p>Conductivity: 1080 µS/cm</p> <p>Detergents: 0.3 mg/L</p>		<div style="display: flex; justify-content: space-between;"> <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="font-size: small;">o20181025100244.JPG</p> <p style="font-size: large; font-weight: bold;">2018</p> </div> </div>		

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		<div style="display: flex; justify-content: space-between;"> <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> <p>Notes</p> <p>Sample collected from submerged pool in manhole. Detergent detected in sample.</p> </div> </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: 8.15 units</p> <p>Temperature: 52 °F</p> <p>Conductivity: 1289 µS/cm</p> <p>Detergents: 0.5 mg/L</p>		<div style="display: flex; justify-content: space-between;"> <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="font-size: small;">o20181025100244.JPG</p> <p style="font-size: large; font-weight: bold;">2018</p> </div> </div>		

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 Precision:

☐ Not Physically Located

o20190918143726.JPG

Outfall Notes:

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

County Coordinates:

Northing: 472,482

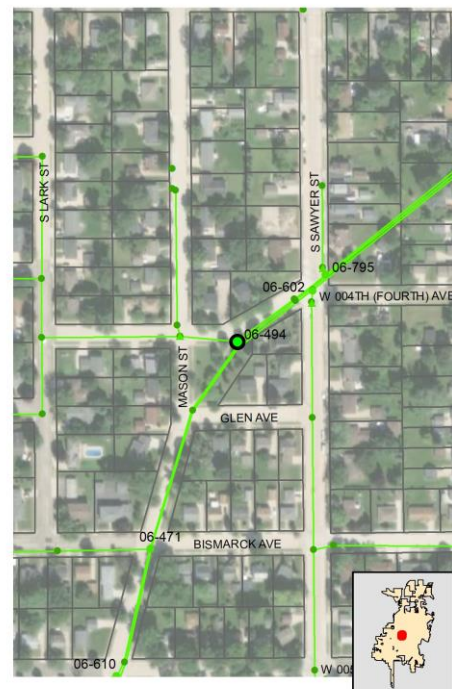
Easting: 785,074

Latitude/Longitude:

Latitude: 44.01563

Longitude: -88.56814

Location Map



Inspection Date: 9/18/2019 3:38:51 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

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


o20190918143734.JPG

2019

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: 10/25/2018 10:14:00 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 Location:		Large vault, with no discrete sample from 4th Ave branch. Screened upstream at 06-494 US1. Detergent detected in sample.		
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	



o20181025101450.JPG

2018

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-469

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20190918144348.JPG

Outfall Notes:

Upstream manhole located approx 140 ft W of outfall 06-494. Intermediate area consists of street right-of-way.

County Coordinates:

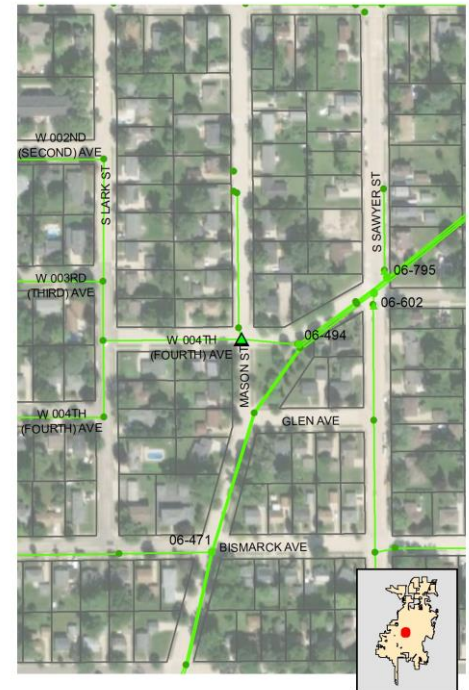
Northing: 472,499

Easting: 784,935

Latitude/Longitude:

Latitude: 44.01568

Longitude: -88.56867

Location Map**Inspection Date:** 9/18/2019 3:40:00 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 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



o20190918144356.JPG

2019**Sampling Results**

Sample Location: Flow

Sample ID: 190918-11

Time Collected: 15:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.42 units

Temperature (field): 75 °F

Conductivity (field): 1449 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/26/2018 1:36:51 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: Partially		Depth (in): 2		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <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> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 8.36 units</p> <p>Temperature: 56 °F</p> <p>Conductivity: 1787 µS/cm</p> <p>Detergents: 0.5 mg/L</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Detergent detection follow-up. Limited screening conducted beyond sampling.</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;">o20181025101942.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2018</p>		

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		<div style="display: flex; justify-content: space-between;"> <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> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 8.32 units</p> <p>Temperature: 53 °F</p> <p>Conductivity: 1884 µS/cm</p> <p>Detergents: 0.3 mg/L</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole. Detergent detected in sample.</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;">o20181025101942.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2018</p>		

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

o20190918142946.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: 9/18/2019 3:30:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Screened at upstream curb inlet (SW corner of intersection) due to traffic. Inlet was 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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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


o20190918142958.JPG

2019

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: 10/26/2018 1:12:01 PM		Type: Repeat	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: KMK																																				
Submerged: Partially		Depth (in): 2																																				
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>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>55 °F</td></tr> <tr><td>Conductivity:</td><td>1215 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.45 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:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.17 units	Temperature:	55 °F	Conductivity:	1215 µS/cm	Detergents:	0.45 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																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20181025095732.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

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		<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>8.09 units</td></tr> <tr><td>Temperature:</td><td>51 °F</td></tr> <tr><td>Conductivity:</td><td>1272 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.5 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:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.09 units	Temperature:	51 °F	Conductivity:	1272 µS/cm	Detergents:	0.5 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:	Pool																																					
Total Chlorine:	0 ppm																																					
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Detergents:	0.5 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
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Color:	None																																					
Gross Solids:	None																																					
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Benthic Growth:	None																																					
Stains:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20181025095732.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</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):

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: 9/18/2019 9:09:25 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 06-810 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



o20190918080814.JPG

2019

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: 10/22/2018 4:42:27 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 06-810 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181022164110.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>		

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		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-810 US1.																				
<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		
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	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:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20100818130938.JPG 2010																						

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in):																				
Sampling Results		Notes 																				
<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		
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	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:	None																					
Stains:	None																					
Non-illicit:	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

o20190918080912.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: 9/18/2019 9:12:03 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 57

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

Illicit Discharge Potential: Potential

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

o20190918080922.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-92

Time Collected: 09:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.62 units

Temperature (field): 71 °F

Conductivity (field): 387 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: 10/22/2018 4:45:48 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 58		
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: 7.7 units	Gross Solids: Slight			
Temperature 55 °F	Vegetation: None			
Conductivity: 370 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022164226.JPG

2018


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		Notes Sample collected from submerged pool 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: 7.85 units	Gross Solids: Slight			
Temperature 65 °F	Vegetation: None			
Conductivity: 174 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20171018111612.JPG

2017


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		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: 7.93 units	Gross Solids: None			
Temperature 67 °F	Vegetation: None			
Conductivity: 400 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161018144430.JPG


2016


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		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: 8.39 units	Gross Solids: None			
Temperature 70 °F	Vegetation: None			
Conductivity: 372 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923081432.JPG

2015

Inspection Date: 8/18/2010 1:18:51 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes		
Submerged: Fully		Depth (in): 55	 <p style="text-align: center;">o20100818131246.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2010</p>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0.5 ppm	Color:			Faint in bottle
pH:	7.68 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		

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Partially		Depth (in): 6	 <p style="text-align: center;">Osh09_DSCN6801.JPG</p> <p style="text-align: center; font-size: 1.5em; 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:	8.42 units	Gross Solids:			None
Temperature	82 °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		

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

o20191008151532.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: 10/8/2019 4:16:54 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 - screened upstream at 06-829 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

o20191008151534.JPG

2019

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: 10/25/2018 1:36:22 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged - screened upstream at 06-829 US1. Floating gross solids (litter) in manhole.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		


 o20181025133432.JPG
2018


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	Notes	
Submerged: Fully		Depth (in): 42	Outfall fully submerged - screened upstream at 06-829 US1. Manhole lid in water near end of pipe.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		


 o20141007093522.JPG
2014


Inspection Date: 9/5/2013 9:25:55 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 45	2012 screening follow-up. Outfall fully submerged. Outfall screened upstream at 06-829 US1. Gross solids in upstream mh.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		


 o20130905082920.JPG
2013

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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged; screened upstream at 06-829 US1.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		


 o20120927113654.JPG
2012

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		<div style="border: 1px solid black; padding: 5px;"> Notes Gross solids pre-screening. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>																		
Submerged: Fully		Depth (in):																				
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </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>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																					



o20120613132730.JPG

2012

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

o20191008151846.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:

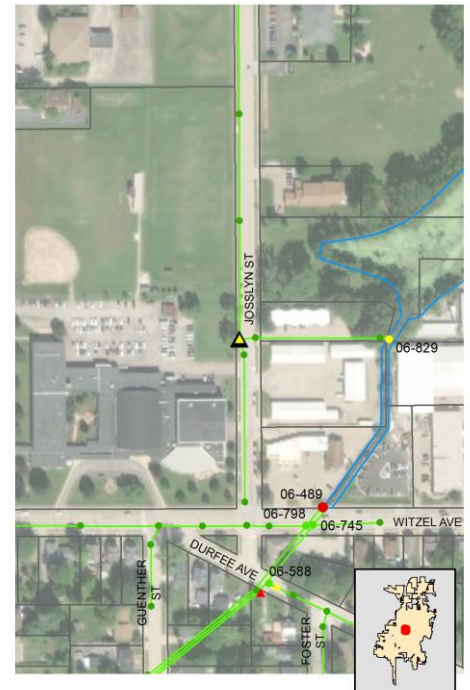
Northing: 473,756

Easting: 785,906

Latitude/Longitude:

Latitude: 44.01913

Longitude: -88.56498



Inspection Date: 10/8/2019 4:19:45 PM

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: 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

o20191008151850.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-79

Time Collected: 16:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.47 units

Temperature (field): 64 °F

Conductivity (field): 1533 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/25/2018 1:40:19 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
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: 7.64 units	Gross Solids: Moderate			
Temperature 58 °F	Vegetation: None			
Conductivity: 1550 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181025133814.JPG

2018


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		Notes Vegetative debris from opening lid.		
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: 7.82 units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: 1715 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: 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		Notes 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.		
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: 7.7 units	Gross Solids: Severe			
Temperature 71 °F	Vegetation: None			
Conductivity: 1666 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: 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		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: 7.72 units	Gross Solids: Moderate			
Temperature 64 °F	Vegetation: None			
Conductivity: 1583 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: 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	Notes	
Submerged: Fully		Depth (in): 37	Gross solids pre-screening. Bottles in manhole.	
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:	7.58 units	Gross Solids:	Severe	
Temperature:	70 °F	Vegetation:	None	
Conductivity:	1765 µS/cm	Benthic Growth:	Slight	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20120613133100.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

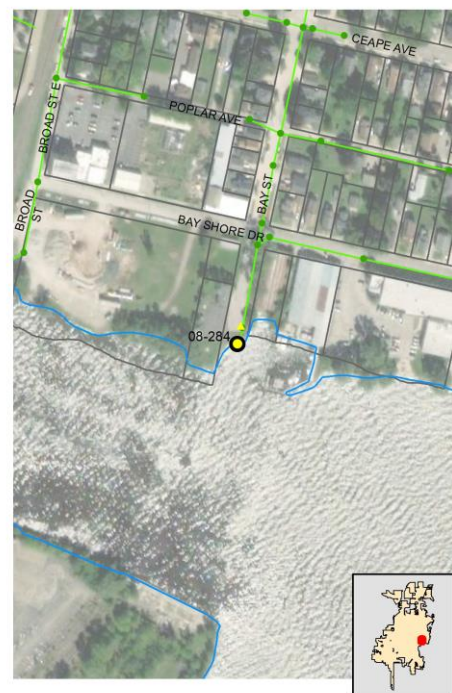
Easting: 794,824

Latitude/Longitude:

Latitude: 44.01165

Longitude: -88.53108

Location Map



Inspection Date: 9/17/2019 2:38:06 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 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

o20190917133750.JPG

2019

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: 10/22/2018 10:51:14 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 08-284 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20181022105100.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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	Notes	
Submerged: Fully Depth (in): 29			Outfall fully submerged - screened upstream at 08-284 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:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
			Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor	



o20141009102400.JPG

2014


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	
Submerged: Fully Depth (in): 25			2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 08-284 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:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
			Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	



o20111011083728.JPG

2011

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	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 08-284 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:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
			Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	



o20100817093554.JPG

2010

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

o20190917133846.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

Location Map**Inspection Date:** 9/17/2019 2:41:09 PM**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. Syringe and other 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

o20190917133856.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-10

Time Collected: 14:39

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 8.79 units

Temperature (field): 76 °F

Conductivity (field): 341 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/22/2018 10:54:41 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 34		
Sampling Results		Notes Sample collected from submerged pool in outfall. 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: Faint in bottle			
pH: 7.5 units	Gross Solids: Moderate			
Temperature 54 °F	Vegetation: None			
Conductivity: 314 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022105156.JPG

2018


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		Notes Sample collected from submerged pool in outfall. 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: 8.67 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 352 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: 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		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: Clearly visible in bottl			
pH: 8.15 units	Gross Solids: Moderate			
Temperature 63 °F	Vegetation: None			
Conductivity: 369 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: 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		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: 8.8 units	Gross Solids: Severe			
Temperature 70 °F	Vegetation: None			
Conductivity: 335 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: 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	Notes	
Submerged: Fully		Depth (in): 29	Floating gross solids (litter) 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:	8.34 units	Gross Solids:	Severe	
Temperature	57 °F	Vegetation:	None	
Conductivity:	400 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



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	
Submerged: Fully		Depth (in): 18	2010 screening follow-up. Floatable debris significantly reduced.	
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:	8.11 units	Gross Solids:	Slight	
Temperature	72 °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



o20111011084038.JPG

2011


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	
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:	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



o20110526110156.JPG

2011

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	
Submerged: Fully		Depth (in): 31	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:	7.64 units	Gross Solids:	Severe	
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



o20100817093838.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): 42

Height/Depth (in):

Width (in):



o20190917134634.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

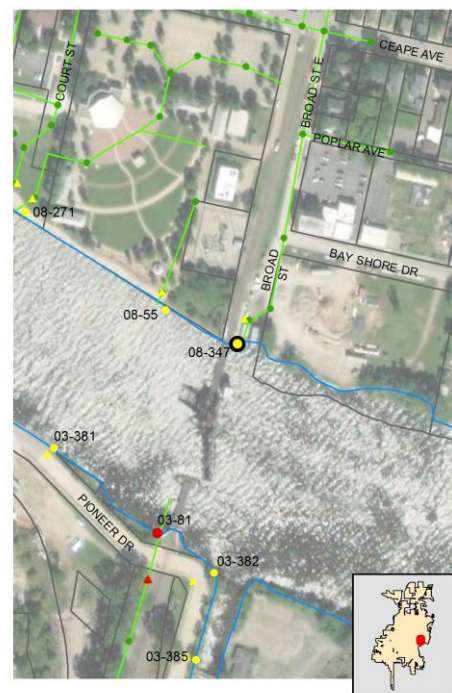
Easting: 794,227

Latitude/Longitude:

Latitude: 44.01205

Longitude: -88.53335

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/17/2019 2:47:00 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 located - screened upstream at 08-347 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



o20190917134640.JPG

2019

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: 10/22/2018 10:59:46 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 08-347 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181022105820.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not located - screened upstream at 08-347 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		



o20141009101330.JPG

2014


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	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 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		



o20111011084904.JPG

2011

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	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 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		



o20100817100702.JPG

2010

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):



o20190917134716.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.

County Coordinates:

Northing: 471,232

Easting: 794,245

Latitude/Longitude:

Latitude: 44.01222

Longitude: -88.53328

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**Inspection Date:** 9/17/2019 2:49:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 50

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: 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

o20190917134722.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-57

Time Collected: 14:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.56 units

Temperature (field): 75 °F

Conductivity (field): 356 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: 10/22/2018 11:02:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 53		
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: Faint in bottle			
pH: 7.49 units	Gross Solids: Slight			
Temperature 55 °F	Vegetation: None			
Conductivity: 321 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20181022110036.JPG

2018


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	Notes	
Submerged: Fully		Depth (in): 43	Floating gross solids (litter) 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:	7.67 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	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	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	Notes	
Submerged: Fully		Depth (in): 43	2010 screening follow-up. Floatable debris significantly reduced.	
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:	7.87 units	Gross Solids:	Slight	
Temperature	71 °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



o20111011085018.JPG

2011


Inspection Date: 5/26/2011 11:05:00 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



o20110526110604.JPG

2011

Inspection Date: 8/17/2010 10:17:46 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 48	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:	None	
pH:	7.71 units	Gross Solids:	Severe	
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



o20100817100950.JPG

2010

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): 4

Width (in): 10

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008075106.JPG

Outfall Notes:

Box culvert from Iowa St discharges to river from south. Combines former individual outfalls 09-101a, -101b and -101c.

County Coordinates:

Northing: 471,895

Easting: 790,647

Latitude/Longitude:

Latitude: 44.01403

Longitude: -88.54696

Location Map



Inspection Date: 10/8/2019 8:50:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, significant flow

Submerged: Partially Depth (in): 40

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow.

Floatables: None

Odor: None

Turbidity: Cloudy

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Severe

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

o20191008075122.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-23

Time Collected: 08:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.89 units

Temperature (field): 56 °F

Conductivity (field): 1257 µS/cm

Detergents: 0 mg/L

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): 12

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190917092752.JPG

Outfall Notes:

Storm sewer from zoo parking lot discharges to bay from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,521

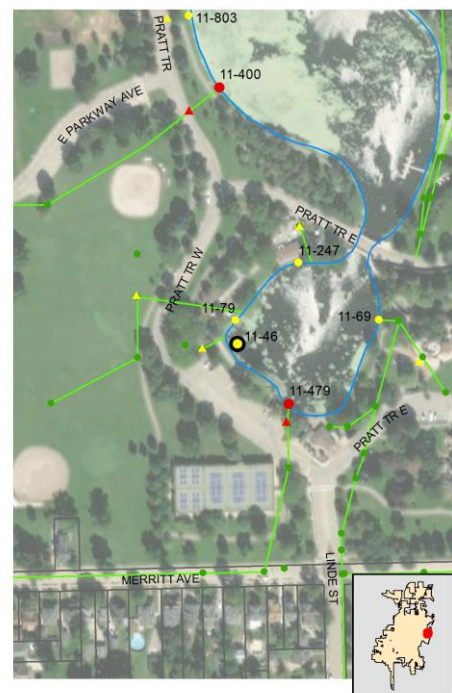
Easting: 797,723

Latitude/Longitude:

Latitude: 44.02124

Longitude: -88.52006

Location Map



Inspection Date: 9/17/2019 10:28:09 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. Outfall screened upstream at 11-46 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 ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:
 Erosion:
 Deposition: Depth (in):
 Damage: ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage



o20190917092802.JPG

2019

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

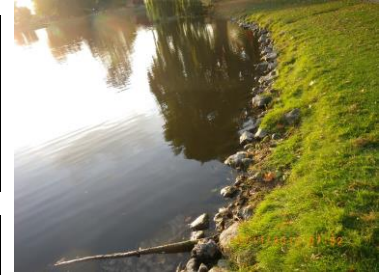
pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/11/2011 7:52:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:		Outfall fully submerged.		
Total Chlorine: -- ppm		Outfall screened upstream at		
Free Chlorine: -- ppm		11-46 US1. Pipe info from		
Ammonia: -- ppm		MS4 map.		
pH: -- units		Condition Assessment		
Temperature -- °F		Graffiti: None		
Conductivity: -- µS/cm		Erosion: None		
Detergents: -- mg/L		Deposition: None 0 in.		
		Damage: None		
Floatables: None				
Odor: None				
Turbidity: None				
Color: None				
Gross Solids: None				
Vegetation: None				
Benthic Growth: None				
Stains: None				
Non-illicit: None				



o20111011075222.JPG

2011

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-46

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917100244.JPG

Outfall Notes:

Upstream manhole located approx 86 ft W of outfall 11-46. Intermediate area consists of open space in zoo.

County Coordinates:

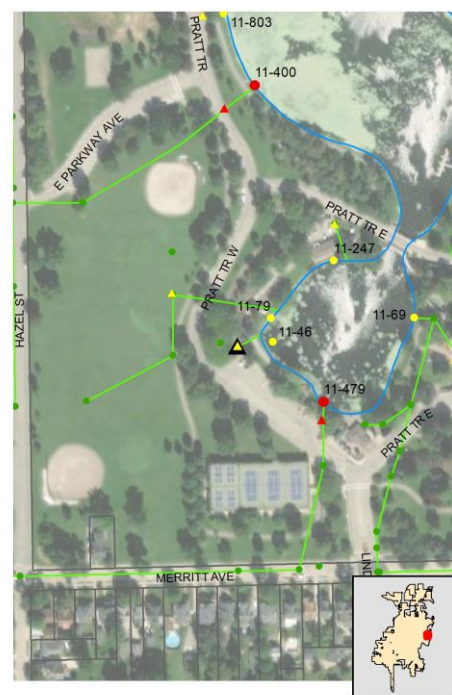
Northing: 474,513

Easting: 797,637

Latitude/Longitude:

Latitude: 44.02122

Longitude: -88.52039

Location Map**Inspection Date:** 9/17/2019 11:06:25 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 17

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Syringe 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



o20190917100254.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-34

Time Collected: 11:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.86 units

Temperature (field): 75 °F

Conductivity (field): 347 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: 10/3/2011 2:33:22 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																															
Illicit Discharge Potential: Unlikely		Inspector: JCW																																	
Submerged: Fully		Depth (in): 12																																	
Sampling Results		<div style="border: 1px solid black; padding: 5px;">Notes</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 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>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>7.16 units</td></tr> <tr><td>Temperature:</td><td>70 °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>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>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.5 ppm	pH:	7.16 units	Temperature:	70 °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:
Sample Location:	Pool																																		
Total Chlorine:	0 ppm																																		
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Ammonia:	0.5 ppm																																		
pH:	7.16 units																																		
Temperature:	70 °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																																		
		<div style="text-align: center;">  o20111003143300.JPG 2011 </div>																																	

Inspection Date: 5/10/2011 9:26:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																															
Illicit Discharge Potential: Unlikely		Inspector: JCW																																	
Submerged: Fully		Depth (in):																																	
Sampling Results		<div style="border: 1px solid black; padding: 5px;">Notes</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Limited screening conducted for upstream manhole prescreening. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 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></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></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td>None</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>					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:	None	Vegetation:		Benthic Growth:		Stains:
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:	None																																		
Vegetation:																																			
Benthic Growth:																																			
Stains:																																			
Non-illicit:	None																																		
		<div style="text-align: center;">  o20110510092630.JPG 2011 </div>																																	

Non-Priority Non-Major 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): 11

Width (in): 18

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190917125338.JPG

Outfall Notes:

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

County Coordinates:

Northing: 473,944

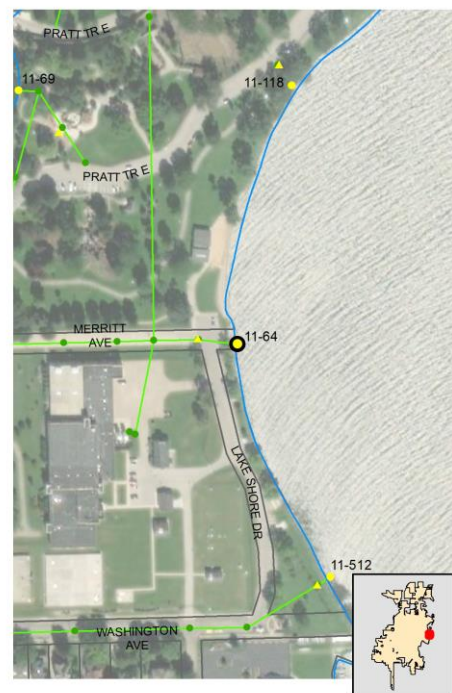
Easting: 798,590

Latitude/Longitude:

Latitude: 44.01966

Longitude: -88.51676

Location Map



Inspection Date: 9/17/2019 1:53:58 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 11-64 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

o20190917125346.JPG

2019

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: 10/3/2011 12:20:26 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 11-64 US1.	 o20111003122000.JPG 2011
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 5/10/2011 9:14:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-64 US1.	 o20110510091510.JPG 2011
		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: 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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes	 2009
		Condition Assessment Graffiti: None Erosion: None Deposition: 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:

11-64

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917125702.JPG

Outfall Notes:

Upstream manhole located approx 86 ft W of outfall 11-64. Intermediate area consists of paved parking area near beach and park.

County Coordinates:

Northing: 473,958

Easting: 798,493

Latitude/Longitude:

Latitude: 44.01970

Longitude: -88.51713

Location Map**Inspection Date:** 9/17/2019 2:00:40 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 12

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: 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

o20190917125708.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-69

Time Collected: 13:58

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 6.91 units


Temperature (field): 76 °F

Conductivity (field): 98 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/3/2011 12:26:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	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>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.35 units</td> </tr> <tr> <td>Temperature:</td> <td>68 °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:	7.35 units	Temperature:	68 °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																																					
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
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		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111003122706.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

Inspection Date: 5/10/2011 9:15:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
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		Notes Limited screening conducted for upstream manhole prescreening.																																				
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				 o20110510091540.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
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Submerged: Fully		Depth (in): 12																																				
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Gross Solids:																																						
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes Slight sulfide odor.																																				
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Graffiti:	None																																					
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Deposition:	5 in.																																					
Damage:	None																																					
				 Osh09_DSCN6653.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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

Mapping Precison:

☐ Not Physically Located

o20190917094216.JPG

Outfall Notes:

Storm sewer from Pratt Tr and zoo discharges to bay from east.

County Coordinates:

Northing: 474,574

Easting: 798,068

Latitude/Longitude:

Latitude: 44.02139

Longitude: -88.51875

Location Map



Inspection Date: 9/17/2019 10:42:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 32

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged - screened upstream at 11-69 US1a.

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


o20190917094216.JPG

2019

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:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-1142

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190917094648.JPG

Outfall Notes:

Upstream manhole located approx 155 ft SE of outfall 11-69. Intermediate area consists of zoo property and walking trails.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,470

Easting: 798,164

Latitude/Longitude:

Latitude: 44.02110

Longitude: -88.51838

Inspection Date: 9/17/2019 10:50:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

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


o20190917094654.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-60

Time Collected: 10:49

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.40 units

Temperature (field): 74 °F

Conductivity (field): 334 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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20190917115352.JPG

Outfall Notes:

Storm sewer from amusement park area discharges to lake from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 475,451

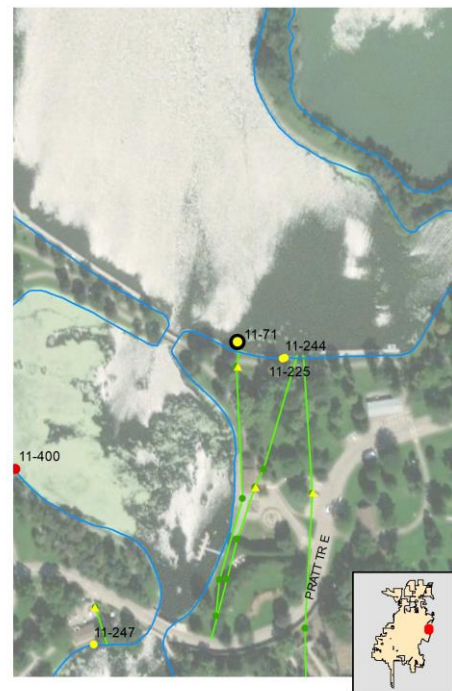
Easting: 798,238

Latitude/Longitude:

Latitude: 44.02380

Longitude: -88.51810

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/17/2019 12:54:34 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 11-71 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

o20190917115400.JPG

2019

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: 10/3/2011 1:04:57 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 11-71 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20111003130530.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		

Inspection Date: 5/10/2011 10:22:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-71 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20110510102304.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-71

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20111003130748.JPG

Outfall Notes:

Upstream manhole located approx 61 ft S of outfall 11-71. Intermediate area consists of open space.

County Coordinates:

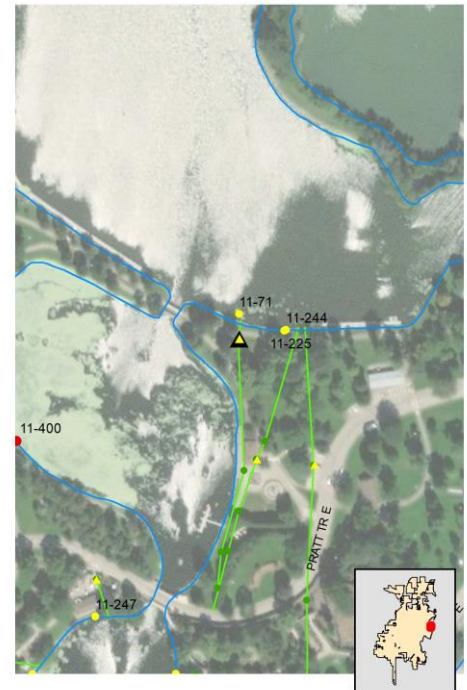
Northing: 475,390

Easting: 798,238

Latitude/Longitude:

Latitude: 44.02363

Longitude: -88.51810

Location Map
Inspection Date: 9/17/2019 12:59:40 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72
Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Unlikely**Notes:** Sample collected from submerged pool in manhole.Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 9

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

o20190917115714.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-62

Time Collected: 12:58

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.06 units

Temperature (field): 76 °F

Conductivity (field): 334 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/3/2011 1:07:09 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 38																																				
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>67 °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:	67 °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:	Minor 6 in.																																					
Damage:	None																																					
			 o20111003130758.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 10:25:00 AM		Type: Other	Flow: None	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Damage:	None																																					
			 o20110510102514.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 12

Height/Depth (in):

Width (in):



o20190917112510.JPG

Outfall Notes:

Curb inlet from Pratt Tr discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 475,201

Easting: 799,199

Latitude/Longitude:

Latitude: 44.02311

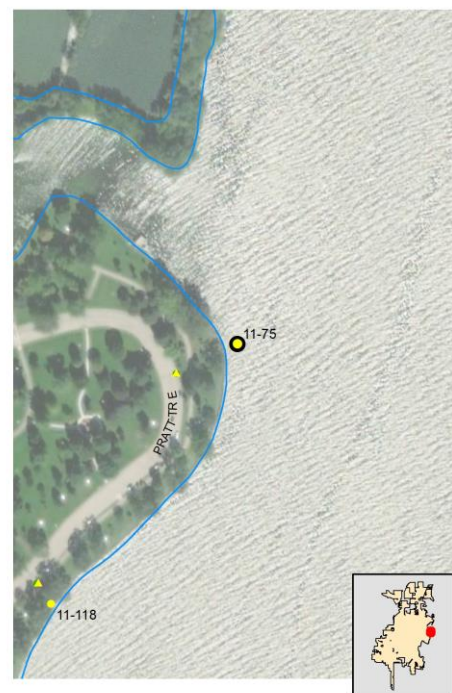
Longitude: -88.51445

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/17/2019 12:25:26 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 11-75 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

o20190917112522.JPG

2019

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: 10/3/2011 12:52:36 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 11-75 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111003125224.JPG <div style="text-align: right; font-size: 1.2em; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 10:10:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-75 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510101056.JPG <div style="text-align: right; font-size: 1.2em; font-weight: bold;">2011</div>		

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-75

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

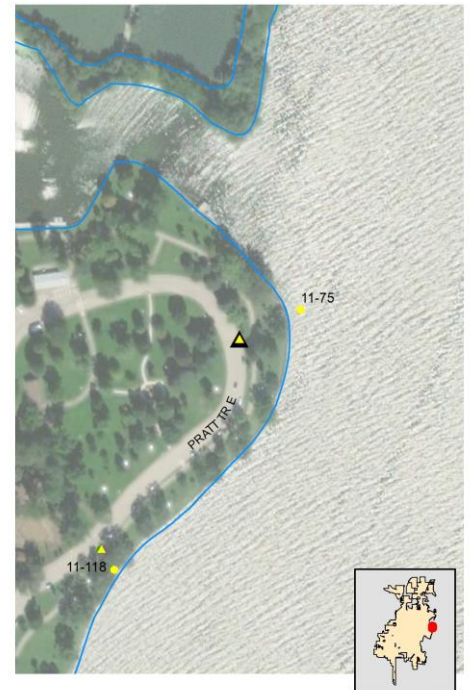
Mapping GPS

☐ Not Physically Located

o20190917112646.JPG

Outfall Notes:

Upstream curb inlet located approx 165 ft WSW of outfall 11-75. Intermediate area consists of open space in park.



County Coordinates:

Northing: 475,133

Easting: 799,049

Latitude/Longitude:

Latitude: 44.02292

Longitude: -88.51502

Inspection Date: 9/17/2019 12:27:08 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Catchbasin 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



o20190917112654.JPG

2019

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: 10/3/2011 12:55:46 PM		Type: Ongoing	Flow: None	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>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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		 <p style="text-align: center;">o20111003125508.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																

Inspection Date: 5/10/2011 10:11:00 AM		Type: Other	Flow: None	Previous Rainfall (hrs): 0-24																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																
Submerged: None		Depth (in):																																
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		 <p style="text-align: center;">o20110510101204.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																

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): 8

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190917092958.JPG

Outfall Notes:

Storm sewer from Menominee Park open area discharges to bay from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 474,579

Easting: 797,719

Latitude/Longitude:

Latitude: 44.02140

Longitude: -88.52007

Location Map



Inspection Date: 9/17/2019 10:30:18 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 physically located. Outfall screened upstream at 11-79 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

o20190917093004.JPG

2019

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 7:49:17 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																
Submerged: Fully		Depth (in):																																
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Non-illicit:	None																																	
<table border="1"> <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"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2">Outfall fully submerged and not physically located. Outfall screened upstream at 11-79 US1.</td></tr> <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 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes		Outfall fully submerged and not physically located. Outfall screened upstream at 11-79 US1.		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:																																		
Total Chlorine:	-- ppm																																	
Free Chlorine:	-- ppm																																	
Ammonia:	-- ppm																																	
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Outfall fully submerged and not physically located. Outfall screened upstream at 11-79 US1.																																		
Condition Assessment																																		
Graffiti:	None																																	
Erosion:	None																																	
Deposition:	None 0 in.																																	
Damage:	None																																	



o20111011074830.JPG

2011

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:

11-79

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190917101042.JPG

Outfall Notes:

Upstream catchbasin located approx 249 ft NNW of outfall 11-79. Intermediate area consists of park road and open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,645

Easting: 797,479

Latitude/Longitude:

Latitude: 44.02158

Longitude: -88.52099

Inspection Date: 9/17/2019 11:12:42 AM

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 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



o20190917101046.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-48

Time Collected: 11:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.35 units

Temperature (field): 75 °F

Conductivity (field): 574 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: 10/3/2011 2:26:22 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 Catchbasin dry at time of inspection.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
		 o20111003142638.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 9:26:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: _____ Turbidity: _____ Color: _____ Gross Solids: None Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None		
		Notes Limited screening conducted for upstream manhole prescreening.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510092930.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</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): 12

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20111003123748.JPG

Outfall Notes:

Curb inlet from Pratt Tr discharges to lake from west.

County Coordinates:

Northing: 474,573

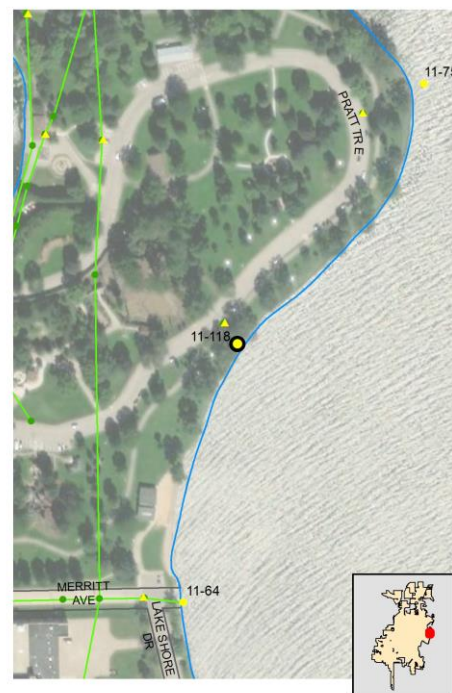
Easting: 798,733

Latitude/Longitude:

Latitude: 44.02139

Longitude: -88.51622

Location Map



Inspection Date: 9/17/2019 12:16:44 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 11-118 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



o20190917111638.JPG

2019

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: 10/3/2011 12:37:11 PM		Type: Ongoing	Flow: Submerged, indeterminate	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: None Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 11-118 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 4 in. Damage: Minor		
		 o20111003123802.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 10:02:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-118 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510100308.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-118

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917111750.JPG

Outfall Notes:

Upstream curb inlet located approx 60 ft NNW of outfall 11-118. Intermediate area consists of open space in park.

County Coordinates:

Northing: 474,625

Easting: 798,703

Latitude/Longitude:

Latitude: 44.02153

Longitude: -88.51633

Location Map**Inspection Date:** 9/17/2019 12:20:02 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: 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



o20190917111754.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-03

Time Collected: 12:17

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.50 units

Temperature (field): 76 °F

Conductivity (field): 436 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/3/2011 12:41:20 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="border: 1px solid black; padding: 5px;">Notes</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 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>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>6.99 units</td></tr> <tr><td>Temperature:</td><td>68 °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>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>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.5 ppm	pH:	6.99 units	Temperature:	68 °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:
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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																																		
		 <small>o20111003124056.JPG</small> <div style="font-size: 24pt; font-weight: bold;">2011</div>																																	

Inspection Date: 5/10/2011 10:03:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																															
Illicit Discharge Potential: Unlikely		Inspector: JCW																																	
Submerged: Fully		Depth (in):																																	
Sampling Results		<div style="border: 1px solid black; padding: 5px;">Notes</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Limited screening conducted for upstream manhole prescreening. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																	
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Sample Location:																																			
Total Chlorine:	-- ppm																																		
Free Chlorine:	-- ppm																																		
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pH:	-- units																																		
Temperature:	-- °F																																		
Conductivity:	-- µS/cm																																		
Detergents:	-- mg/L																																		
Floatables:	None																																		
Odor:																																			
Turbidity:																																			
Color:																																			
Gross Solids:	None																																		
Vegetation:																																			
Benthic Growth:																																			
Stains:																																			
Non-illicit:	None																																		
		 <small>o20110510100406.JPG</small> <div style="font-size: 24pt; font-weight: bold;">2011</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): 30

Height/Depth (in):

Width (in):



o20190917075530.JPG

Outfall Notes:

Storm sewer from Siewert Tr and Hazel St discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 477,208

Easting: 797,683

Latitude/Longitude:

Latitude: 44.02862

Longitude: -88.52021

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/17/2019 8:55:55 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 physically located. Outfall screened upstream at 11-177 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

o20190917075538.JPG

2019

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: 10/3/2011 4:12:24 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 11-177 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111003161156.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Inspection Date: 5/10/2011 12:05:00 PM		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 11-177 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510120530.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

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:

11-177

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917075606.JPG

Outfall Notes:

Upstream catchbasin located approx 45 ft WSW of outfall 11-177. Intermediate area consists of open space.

County Coordinates:

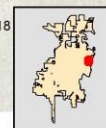
Northing: 477,199

Easting: 797,639

Latitude/Longitude:

Latitude: 44.02859

Longitude: -88.52038



Inspection Date: 9/17/2019 8:58:14 AM

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: 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

o20190917075612.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-24

Time Collected: 08:56

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.13 units

Temperature (field): 72 °F

Conductivity (field): 316 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: 10/3/2011 4:15:48 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 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>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>8.03 units</td> </tr> <tr> <td>Temperature:</td> <td>68 °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:	8.03 units	Temperature:	68 °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																																					
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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																																					
			 o20111003161244.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 12:03:00 PM		Type: Other	Flow: Submerged, indeterminate	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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	Moderate	Vegetation:		Benthic Growth:		Stains:		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:																																						
Turbidity:																																						
Color:																																						
Gross Solids:	Moderate																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; padding: 5px;"> Limited screening conducted for upstream manhole prescreening. </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																																					
			 o20110510120546.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

RCP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20190917113736.JPG

Outfall Notes:

Storm sewer from amusement park area discharges to lake from south.

County Coordinates:

Northing: 475,408

Easting: 798,347

Latitude/Longitude:

Latitude: 44.02368

Longitude: -88.51769

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 9/17/2019 12:39:28 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 18

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged. Outfall screened upstream at 11-225 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


o20190917113804.JPG

2019

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: 10/3/2011 1:12:53 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: 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. Outfall screened upstream at 11-225 US2.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111003131358.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 10:20:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 11-225 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510102022.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">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:

11-225

Dimensions

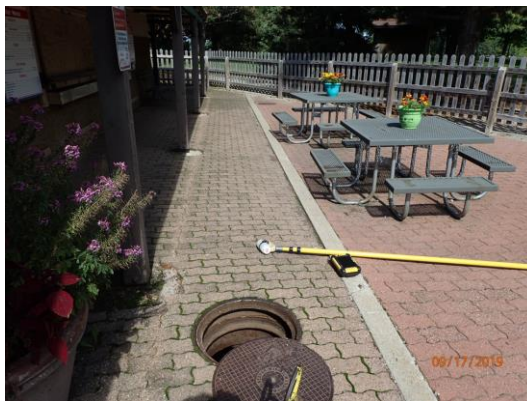
Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917114254.JPG

Outfall Notes:

Upstream manhole located approx 322 ft SSW of outfall 11-225. Intermediate area consists of open space in park.

County Coordinates:

Northing: 475,094

Easting: 798,275

Latitude/Longitude:

Latitude: 44.02282

Longitude: -88.51796



Inspection Date: 9/17/2019 12:45:00 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: 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



o20190917114300.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-06

Time Collected: 12:43

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.37 units

Temperature (field): 74 °F

Conductivity (field): 519 µS/cm

Detergents: 0 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: 10/3/2011 1:49:38 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+															
Illicit Discharge Potential: Unlikely		Inspector: JCW																	
Submerged: Partially		Depth (in): 15																	
Sampling Results		Notes																	
<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: None</td> </tr> <tr> <td>pH: 7.43 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 67 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth: None</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: Pool	Floatables: None	Total Chlorine: 0 ppm	Odor: None	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: None	pH: 7.43 units	Gross Solids: None	Temperature: 67 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: None	Detergents: 0 mg/L
Sample Location: Pool	Floatables: None																		
Total Chlorine: 0 ppm	Odor: None																		
Free Chlorine: 0 ppm	Turbidity: None																		
Ammonia: 0 ppm	Color: None																		
pH: 7.43 units	Gross Solids: None																		
Temperature: 67 °F	Vegetation: None																		
Conductivity: -- µS/cm	Benthic Growth: None																		
Detergents: 0 mg/L	Stains: Slight																		
	Non-illicit: None																		
		Condition Assessment																	
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti: None</td> <td style="width: 50%;"></td> </tr> <tr> <td>Erosion: None</td> <td></td> </tr> <tr> <td>Deposition: Minor</td> <td>2 in.</td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>			Graffiti: None		Erosion: None		Deposition: Minor	2 in.	Damage: None								
Graffiti: None																			
Erosion: None																			
Deposition: Minor	2 in.																		
Damage: None																			



o20111003135020.JPG

2011

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): 27

Height/Depth (in):

Width (in):



o20190917113620.JPG

Outfall Notes:

Storm sewer from Pratt Tr discharges to lake from south.

County Coordinates:

Northing: 475,410

Easting: 798,352

Latitude/Longitude:

Latitude: 44.02368

Longitude: -88.51767

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 9/17/2019 12:36:57 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 32

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged. Outfall screened upstream at 11-244 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

o20190917113656.JPG

2019

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: 10/3/2011 1:19:01 PM		Type: Ongoing	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: Slight Stains: None Non-illicit: None		
		Notes End section of pipe displaced. Outfall fully submerged. Outfall screened upstream at 11-244 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor		
		 o20111003131556.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 10:20:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 11-244 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor		
		 o20110510102050.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2011</div>		

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 27		
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 Pipe separation		
		Condition Assessment Graffiti: None Erosion: None Deposition: in. Damage: Moderate		
		 Osh09_DSCN6645.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:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-244

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190917114702.JPG

Outfall Notes:

Upstream manhole located approx 338 ft S of outfall 11-244. Intermediate area consists of open space in park.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 475,079

Easting: 798,415

Latitude/Longitude:

Latitude: 44.02278

Longitude: -88.51743

Inspection Date: 9/17/2019 12:49:14 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 26

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20190917114706.JPG

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

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-63

Time Collected: 12:47

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.84 units


Temperature (field): 76 °F

Conductivity (field): 450 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/3/2011 1:25:28 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
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: 7.34 units	Gross Solids:	None		
Temperature 67 °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		
		 o20111003132502.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 10:28:00 AM		Type: Other	Flow: None	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results		Notes		
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		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510102844.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results		Notes		
Sample Location: Pool	Floatables:			
Total Chlorine: 0 ppm	Odor:			
Free Chlorine: 0 ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: 8.21 units	Gross Solids:			
Temperature 77 °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		
		 Osh09_DSCN6649.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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917093220.JPG

Outfall Notes:

Storm sewer from fenced area behind zoo building discharges to bay from north.

County Coordinates:

Northing: 474,717

Easting: 797,875

Latitude/Longitude:

Latitude: 44.02178

Longitude: -88.51948

Location Map



Inspection Date: 9/17/2019 10:34:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Unable to screen upstream catchbasin because inaccessible due to restricted zoo area.

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


o20190917093244.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-28

Time Collected: 10:34

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.76 units

Temperature (field): 74 °F

Conductivity (field): 340 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/11/2011 7:40:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 11-247 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:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20111011074132.JPG

2011

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): 20

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917083634.JPG

Outfall Notes:

Storm sewer from Lincoln Ave discharges to lake from west. Outfall fully submerged. Pipe info from MS4 map.

County Coordinates:

Northing: 476,569

Easting: 797,784

Latitude/Longitude:

Latitude: 44.02686

Longitude: -88.51983

Location Map



Inspection Date: 9/17/2019 9:36:40 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 physically located. Outfall screened upstream at 11-318 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

o20190917083642.JPG

2019

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: 10/3/2011 3:50:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
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		<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
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. Outfall screened upstream at 11-318 US1.																				
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																				
		 o20111003155152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																				

Inspection Date: 5/10/2011 11:55:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24																		
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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></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></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>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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 11-318 US1.																				
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																				
		 o20110510115510.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																				

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-318

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917083814.JPG

Outfall Notes:

Upstream manhole located approx 118 ft W of outfall 11-318. Intermediate area consists of parking lot and open space in park.

County Coordinates:

Northing: 476,562

Easting: 797,665

Latitude/Longitude:

Latitude: 44.02684

Longitude: -88.52028

Location Map**Inspection Date:** 9/17/2019 9:40:20 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**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



o20190917083820.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-59

Time Collected: 09:38

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.78 units

Temperature (field): 73 °F

Conductivity (field): 340 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: 10/3/2011 3:55:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 14																																				
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>8.03 units</td> </tr> <tr> <td>Temperature:</td> <td>68 °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:	8.03 units	Temperature:	68 °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>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
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.03 units																																					
Temperature:	68 °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:	Moderate																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 80px; 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																																					
		 o20111003155444.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 5/10/2011 11:55:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		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:																																						
Turbidity:																																						
Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes Limited screening conducted for upstream manhole prescreening.																																				
		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																																					
		 o20110510115556.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 - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20190917074324.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: 9/17/2019 8:43:35 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

o20190917074332.JPG

2019

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: 10/22/2018 9:42:07 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 11-376 US1. Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	



o20181022094126.JPG

2018


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

2017


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

2016


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

2015


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	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 11-376 US1.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20141009123438.JPG

2014


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		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:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



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		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:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



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		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		

Photo Not Available

2009

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

o20190917074424.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

Location Map**Inspection Date:** 9/17/2019 8:47:01 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

o20190917074432.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-82

Time Collected: 08:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.94 units

Temperature (field): 71 °F

Conductivity (field): 439 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: 10/22/2018 9:45:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 82																																				
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>7.52 units</td></tr> <tr><td>Temperature:</td><td>55 °F</td></tr> <tr><td>Conductivity:</td><td>575 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:	7.52 units	Temperature:	55 °F	Conductivity:	575 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																																					
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Graffiti:	None																																					
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				 o20181022094232.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

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;"> <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>7.62 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>829 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:	7.62 units	Temperature:	67 °F	Conductivity:	829 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.																																					
Damage:	None																																					
				 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;"> <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>7.89 units</td></tr> <tr><td>Temperature:</td><td>58 °F</td></tr> <tr><td>Conductivity:</td><td>357 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>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:	7.89 units	Temperature:	58 °F	Conductivity:	357 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	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;"> <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																																					
				 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;"> <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>7.88 units</td></tr> <tr><td>Temperature:</td><td>68 °F</td></tr> <tr><td>Conductivity:</td><td>397 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>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:	7.88 units	Temperature:	68 °F	Conductivity:	397 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Odor:	Faint																																					
Turbidity:	None																																					
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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>Floating gross solids (litter) 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																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 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	Notes	
Submerged: Fully		Depth (in): 74	Floating gross solids (litter) 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:	7.76 units	Gross Solids:	Severe	
Temperature	59 °F	Vegetation:	None	
Conductivity:	381 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



o20141009123616.JPG

2014


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		
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



o20111004092208.JPG

2011


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):	Limited screening conducted for upstream manhole prescreening.	
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



o20110510122336.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): 81	Abnormal detergent analysis result (bubbles). Significant floating debris in manhole.	
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



Osh09_DSCN6622.JPG

2009

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

o20190917130508.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

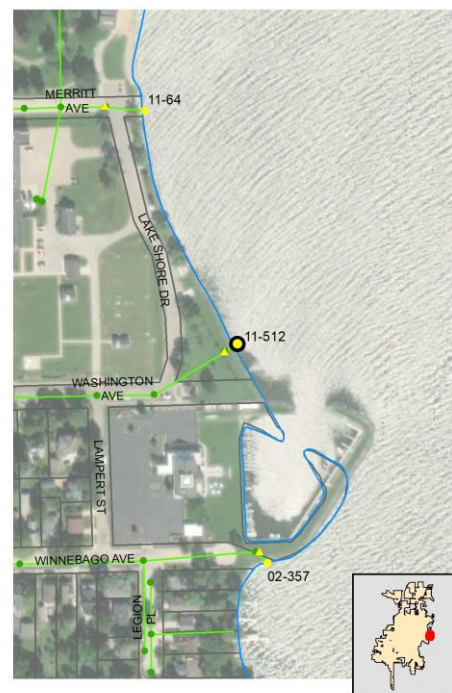
Easting: 798,806

Latitude/Longitude:

Latitude: 44.01809

Longitude: -88.51594

Location Map



Inspection Date: 9/17/2019 2:05:48 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 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

o20190917130514.JPG

2019

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: 10/22/2018 9:59:38 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 11-512 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181022095658.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>		

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 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 11-512 US1. Floating gross solids (litter) in manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20171017131910.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

Inspection Date: 10/10/2016 11:04:16 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 11-512 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161010110406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/22/2015 7:03:32 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 upstream at 11-512 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150922060708.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		


Inspection Date: 10/9/2014 12:48:49 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 located - screened upstream at 11-512 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		



o20141009114820.JPG

2014


Inspection Date: 9/27/2012 8:21:03 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; screened upstream at 11-512 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		



o20120927072324.JPG

2012


Inspection Date: 6/20/2012 8:23:31 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		



o20120620072350.JPG


2012

Inspection Date: 10/3/2011 12:09:11 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 11-512 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		



o20111003121010.JPG

2011

Inspection Date: 5/10/2011 9:08:00 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 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:	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.	
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> <td></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>		Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None								
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:

11-512

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917130608.JPG

Outfall Notes:

Upstream manhole located approx 34 ft SW of outfall 11-512. Intermediate area consists of open space.

County Coordinates:

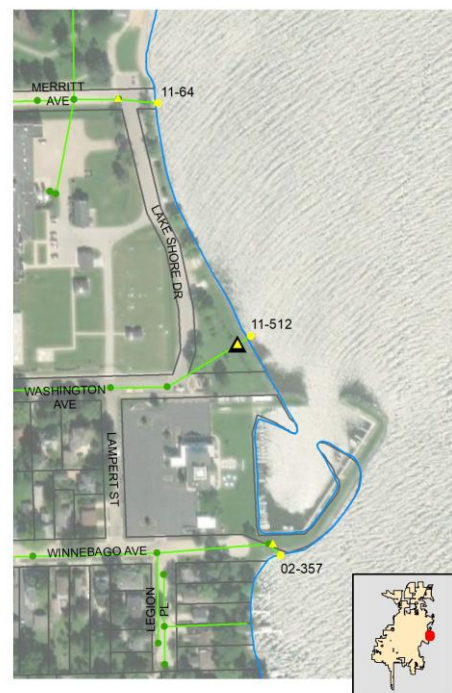
Northing: 473,351

Easting: 798,773

Latitude/Longitude:

Latitude: 44.01804

Longitude: -88.51607



Inspection Date: 9/17/2019 2:08:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 37

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

o20190917130614.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-25

Time Collected: 14:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.23 units

Temperature (field): 76 °F

Conductivity (field): 333 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/22/2018 10:00:30 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 42		
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: 7.35 units	Gross Solids: Moderate			
Temperature 57 °F	Vegetation: None			
Conductivity: 470 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

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		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: 7.47 units	Gross Solids: Moderate			
Temperature 67 °F	Vegetation: None			
Conductivity: 581 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

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		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: 7.63 units	Gross Solids: Severe			
Temperature 65 °F	Vegetation: None			
Conductivity: 514 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

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		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: 7.93 units	Gross Solids: Moderate			
Temperature 65 °F	Vegetation: None			
Conductivity: 1055 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


Inspection Date: 10/9/2014 12:52:08 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 39	Floating gross solids (litter) in manhole.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	Graffiti: None	Erosion: None	in.
Total Chlorine: 0 ppm	Odor: None	Deposition: None	Damage: None	
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness			
Ammonia: 0 ppm	Color: None			
pH: 7.57 units	Gross Solids: Moderate			
Temperature 62 °F	Vegetation: None			
Conductivity: 548 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20141009115024.JPG

2014


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.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	Graffiti: None	Erosion: None	in.
Total Chlorine: 0 ppm	Odor: None	Deposition: None	Damage: None	
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.73 units	Gross Solids: Slight			
Temperature 59 °F	Vegetation: None			
Conductivity: 416 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



o20120927072438.JPG

2012


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.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	Graffiti: None	Erosion: None	in.
Total Chlorine: -- ppm	Odor: None	Deposition: None	Damage: None	
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: Severe			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			



o20120620072408.JPG

2012

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.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: None	Graffiti: None	Erosion: None	0 in.
Total Chlorine: 0 ppm	Odor: None	Deposition: None	Damage: None	
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.39 units	Gross Solids: Severe			
Temperature 67 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20111003121302.JPG

2011

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 Limited screening conducted for upstream manhole prescreening.
Submerged: Fully		Depth (in):		
Sampling Results		Floatables: None Odor: Turbidity: Color: Gross Solids: Severe Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L				



o20110510090830.JPG

2011

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): 12

Height/Depth (in):

Width (in):



o20190917075958.JPG

Outfall Notes:

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

County Coordinates:

Northing: 477,155

Easting: 797,691

Latitude/Longitude:

Latitude: 44.02847

Longitude: -88.52018

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 11/5/2019 10:42:00 AM

Inspector: JCW

Inspection Type: Repeat

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 11-515 US1. Follow-up inspection for sampling - limited screening conducted.

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

2019

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: 9/17/2019 9:00:20 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 11-515 US1. Initial ammonia detection, but no detection on follow-up screening.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20190917080006.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2019</div>		

Inspection Date: 10/3/2011 4:05:01 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 11-515 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111003160526.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 12:02:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-515 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510120248.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</div>		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-515

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917080046.JPG

Outfall Notes:

Upstream manhole located approx 52 ft WSW of outfall 11-515. Intermediate area consists of open space.

County Coordinates:

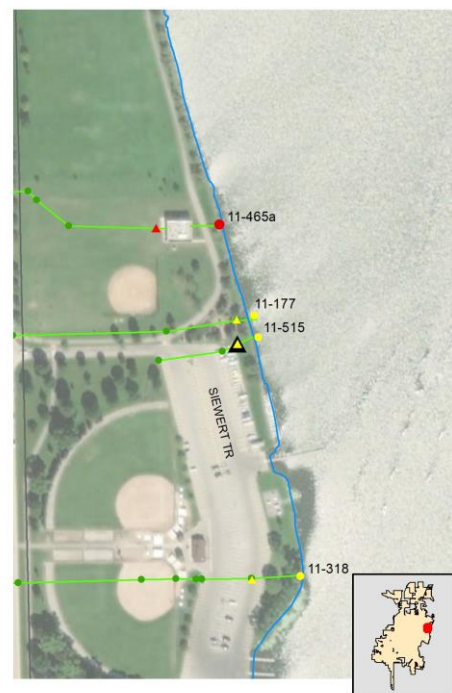
Northing: 477,140

Easting: 797,641

Latitude/Longitude:

Latitude: 44.02843

Longitude: -88.52038

Location Map
Inspection Date: 11/5/2019 10:43:38 AM **Inspector:** JCW **Inspection Type:** Repeat
Previous Rainfall (hrs): 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 10

Illicit Discharge Potential: Unlikely
Notes: Follow-up inspection for sampling - limited screening conducted.

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

o20191105104504.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-74

Time Collected: 10:44

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): 0 ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- 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: 9/17/2019 9:03:20 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 detected on initial screening but no detection on follow-up screening on 11/5/19.		
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: 7.27 units	Gross Solids: Slight			
Temperature 71 °F	Vegetation: None			
Conductivity: 1160 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20190917080056.JPG
2019

Inspection Date: 10/3/2011 4:08:45 PM		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: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.22 units	Gross Solids: Slight			
Temperature 68 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			


 o20111003160738.JPG
2011

Inspection Date: 5/10/2011 12:03:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Limited screening conducted for upstream manhole prescreening.		
Sample Location:	Floatables: None	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: Slight			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit: None			


 o20110510120344.JPG
2011

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): 12

Height/Depth (in):

Width (in):



o20111003151442.JPG

Outfall Notes:

Curb inlets on Pratt Tr discharge to bay from west.

County Coordinates:

Northing: 475,474

Easting: 797,619

Latitude/Longitude:

Latitude: 44.02386

Longitude: -88.52046

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

Inspection Date: 9/17/2019 9:59:58 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 physically located. Outfall screened upstream at 11-801 US1. Duckweed solid across surface of water.

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

o20190917085944.JPG

2019

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: 10/3/2011 3:14:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		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: None Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 11-801 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: None		
		 o20111003151448.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 9:52:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-801 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510095212.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

11-801

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917090912.JPG

Outfall Notes:

Upstream curb inlet located approx 70 ft NNW of outfall 11-801. Intermediate area consists of open space in park.

County Coordinates:

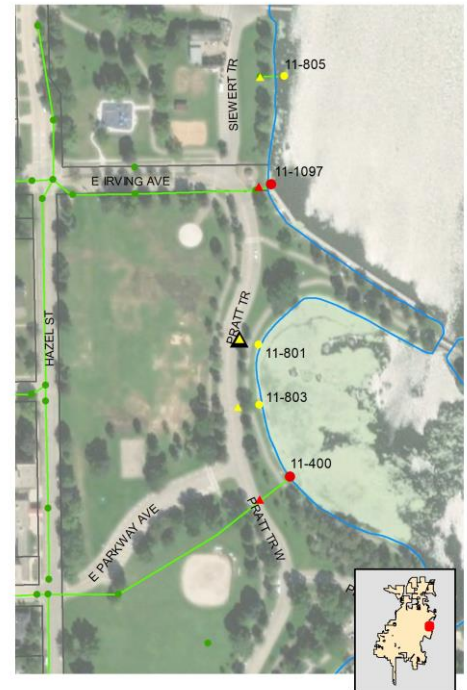
Northing: 475,489

Easting: 797,573

Latitude/Longitude:

Latitude: 44.02390

Longitude: -88.52063

Location Map**Inspection Date:** 9/17/2019 10:03:28 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 10

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

o20190917090920.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-38

Time Collected: 10:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.35 units

Temperature (field): 73 °F

Conductivity (field): 326 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: 10/3/2011 3:18:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 5																																				
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>70 °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:	7.85 units	Temperature:	70 °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																																					
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Free Chlorine:	0 ppm																																					
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pH:	7.85 units																																					
Temperature:	70 °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: 80px; 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																																					
			 o20111003151650.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 9:52:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		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>Slight</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>None</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>			Floatables:	Slight	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	Slight																																					
Odor:																																						
Turbidity:																																						
Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; padding: 5px;"> Limited screening conducted for upstream manhole prescreening. </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																																					
			 o20110510095236.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 12

Height/Depth (in):

Width (in):



o20190917091152.JPG

Outfall Notes:

Curb inlets on Pratt Tr discharge to bay from west.

County Coordinates:

Northing: 475,327

Easting: 797,618

Latitude/Longitude:

Latitude: 44.02345

Longitude: -88.52046

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

Inspection Date: 9/17/2019 10:12:22 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 10

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 11-803 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


o20190917091210.JPG

2019

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 1:19:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	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: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged - screened upstream at 11-803 US1.	 o20141009121914.JPG
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	


2014

Inspection Date: 9/27/2012 8:05:18 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: _____ 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 2011 ammonia follow-up. Outfall partially submerged; screened upstream at 11-803 US1.	 o20120927070846.JPG
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

2012

Inspection Date: 6/20/2012 7:26:32 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 13		
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 Gross solids pre-screen. Outfall fully submerged; screened upstream at 11-803 US1.	 o20120620062936.JPG
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

2012

Inspection Date: 10/3/2011 3:01:24 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
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. Outfall screened upstream at 11-400 US2.	 o20111003150102.JPG
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

2011

Inspection Date: 5/10/2011 9:39:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged. Outfall screened upstream at 11-400 US2. Pipe info from MS4 map.		
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		



o20110510094732.JPG

2011

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

11-803

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917091416.JPG

Outfall Notes:

Upstream curb inlet located approx 48 ft W of outfall 11-803. Intermediate area consists of open space in park.

County Coordinates:

Northing: 475,322

Easting: 797,566

Latitude/Longitude:

Latitude: 44.02344

Longitude: -88.52066

Location Map**Inspection Date:** 9/17/2019 10:14:36 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 8

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: 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

o20190917091422.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-29

Time Collected: 10:12

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.39 units


Temperature (field): 72 °F


Conductivity (field): 423 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/9/2014 1:23:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 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: 7.58 units</p> <p>Temperature: 59 °F</p> <p>Conductivity: 439 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: Slight</p> <p>Non-illicit: None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>No water in next upstream inlet.</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;">o20141009122106.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2014</p>

Inspection Date: 9/27/2012 8:07:19 AM		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: 8.25 units</p> <p>Temperature: 58 °F</p> <p>Conductivity: 655 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>2011 ammonia follow-up.</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;">o20120927071234.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>

Inspection Date: 6/20/2012 7:30:27 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
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: 0.5 ppm</p> <p>pH: 7.46 units</p> <p>Temperature: 78 °F</p> <p>Conductivity: 548 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>Gross solids pre-screening.</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;">o20120620063110.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>

Inspection Date: 10/4/2011 8:39:36 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results		<div style="display: flex; justify-content: space-between;"> <div> <p>Sample Location: Pool</p> <p>Total Chlorine: -- ppm</p> <p>Free Chlorine: -- ppm</p> <p>Ammonia: 3 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: 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>Follow-up inspection to re-test ammonia.</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>		
				 <p style="text-align: center;">o20111004083900.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</p>

Inspection Date: 10/3/2011 3:04:34 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Elevated ammonia concentration in sample.																																				
Submerged: Partially Depth (in): 4																																							
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>Faint</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>Cloudy</td> </tr> <tr> <td>Ammonia:</td> <td>3 ppm</td> <td>Color:</td> <td>Clearly visible in bottl</td> </tr> <tr> <td>pH:</td> <td>7.35 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>70 °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>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:	Faint	Free Chlorine:	0 ppm	Turbidity:	Cloudy	Ammonia:	3 ppm	Color:	Clearly visible in bottl	pH:	7.35 units	Gross Solids:	None	Temperature	70 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	Slight			Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	Faint																																				
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pH:	7.35 units	Gross Solids:	None																																				
Temperature	70 °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	None																																				
Detergents:	0 mg/L	Stains:	Slight																																				
		Non-illicit:	None																																				



o20111003150602.JPG

2011

Inspection Date: 5/10/2011 9:48:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																			
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Limited screening conducted for upstream manhole prescreening.																																				
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>None</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>None</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:	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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
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																																				



o20110510094816.JPG

2011

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Material:

City ID:

N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190917084748.JPG

Outfall Notes:

Catchbasin in Menominee Park discharges to lake from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 476,130

Easting: 797,694

Latitude/Longitude:

Latitude: 44.02566

Longitude: -88.52017

Location Map



Inspection Date: 9/17/2019 9:48:06 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 physically located. Outfall screened upstream at 11-805 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

o20190917084756.JPG

2019

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: 10/3/2011 3:36:44 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 11-805 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111003153634.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/10/2011 10:47:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-805 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510104742.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-805

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917084848.JPG

Outfall Notes:

Upstream manhole located approx 60 ft W of outfall 11-805. Intermediate area consists of open space in park.

County Coordinates:

Northing: 476,128

Easting: 797,635

Latitude/Longitude:

Latitude: 44.02565

Longitude: -88.52040

Location Map**Inspection Date:** 9/17/2019 9:50:57 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Ammonia below action limit.

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



o20190917084854.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-66

Time Collected: 09:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.5 ppm

pH (field): 7.43 units

Temperature (field): 72 °F

Conductivity (field): 890 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: 10/3/2011 3:39:53 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 10																																				
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>7.66 units</td> </tr> <tr> <td>Temperature:</td> <td>69 °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:	7.66 units	Temperature:	69 °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>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
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Benthic Growth:	None																																					
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																																					
			 o20111003153952.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 10:45:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20110510104830.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):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190918101810.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

Location Map



Inspection Date: 9/18/2019 11:19:35 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



o20190918101816.JPG

2019

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: 10/24/2018 9:23:56 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 - screened upstream at 12-569 US1. Graffiti on nearby bridge abutment. Floating gross solids (litter) in MH. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None in. Damage: None	
			 o20181024092154.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	


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		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:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		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:	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	



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:	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	



o20100819143022.JPG

2010

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

o20190918101924.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

Location Map

Inspection Date: 9/18/2019 11:22:28 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 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



o20190918101948.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-96

Time Collected: 11:22

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.30 units


Temperature (field): 74 °F


Conductivity (field): 419 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/24/2018 9:25:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 44																																				
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>7.4 units</td></tr> <tr><td>Temperature:</td><td>52 °F</td></tr> <tr><td>Conductivity:</td><td>714 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>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:	7.4 units	Temperature:	52 °F	Conductivity:	714 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
Sample Location:	Pool																																					
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Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
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Damage:	None																																					
				 <p style="text-align: center;">o20181024092322.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2018</p>																																		

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 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>7.44 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>1118 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:	7.44 units	Temperature:	65 °F	Conductivity:	1118 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																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 <p style="text-align: center;">o20171018101542.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2017</p>																																		

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 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>7.41 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>616 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>Slight cloudiness</td></tr> <tr><td>Color:</td><td>Clearly visible in bottl</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:	7.41 units	Temperature:	69 °F	Conductivity:	616 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	Clearly visible in bottl	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Free Chlorine:	0 ppm																																					
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pH:	7.41 units																																					
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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>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																																					
				 <p style="text-align: center;">o20161010132718.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>																																		

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 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>7.5 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>441 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>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:	7.5 units	Temperature:	76 °F	Conductivity:	441 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																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.5 units																																					
Temperature:	76 °F																																					
Conductivity:	441 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																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Notes</p> <p>Floating gross solids (litter) in manhole.</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																																					
				 <p style="text-align: center;">o20150923101026.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																		


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	Notes	
Submerged: Fully		Depth (in): 34	Floating gross solids (litter) 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:	7.66 units	Gross Solids:	Moderate	
Temperature	59 °F	Vegetation:	None	
Conductivity:	771 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



o20141007063948.JPG

2014


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				
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	
			Condition Assessment	
			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				
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	
			Condition Assessment	
			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				
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	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20100819143434.JPG

2010

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):



o20191008160244.JPG

Outfall Notes:

Storm sewer from Fernau Ave and Walter St discharge to NE corner of detention basin.

County Coordinates:

Northing: 487,966

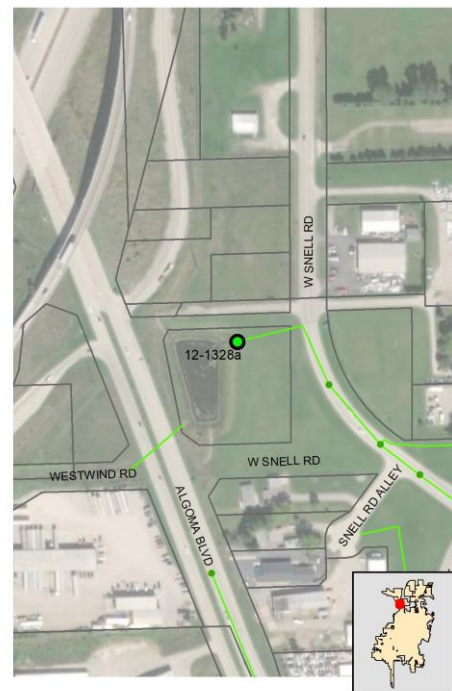
Easting: 784,069

Latitude/Longitude:

Latitude: 44.05810

Longitude: -88.57201

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

Inspection Date: 10/8/2019 5:07:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Moderate

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall sampled from moderate flow.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: Moderate

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

o20191008160300.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-52

Time Collected: 17:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.16 units

Temperature (field): 65 °F

Conductivity (field): 1014 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: 10/24/2018 10:34:16 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>9.04 units</td></tr> <tr><td>Temperature:</td><td>50 °F</td></tr> <tr><td>Conductivity:</td><td>792 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>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:	9.04 units	Temperature:	50 °F	Conductivity:	792 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
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				 o20181024103144.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

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		<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>9.23 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>1563 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></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:	9.23 units	Temperature:	65 °F	Conductivity:	1563 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:		Non-illicit:	None
Sample Location:	Flow																																					
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
				 o20171018093128.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																		

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):																																				
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Stains:	Slight																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Elevated pH, but not as high as 2015 screening. Possible residual in upstream 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																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20161010122036.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

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		<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>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>11.66 units</td></tr> <tr><td>Temperature:</td><td>73 °F</td></tr> <tr><td>Conductivity:</td><td>2470 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>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> </div> </div>			Sample Location:	Flow	Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	1 ppm	pH:	11.66 units	Temperature:	73 °F	Conductivity:	2470 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Moderate	Non-illicit:	None
Sample Location:	Flow																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>White silty discharge. Chlorine patches turned yellow (not on scale). Elevated pH and conductivity.</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																																					
				 o20150923115508.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

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

o20190918141434.JPG

Outfall Notes:

Storm sewer from 9th Ave discharges to stream north of road. Upstream manhole not accessible.

County Coordinates:

Northing: 470,709

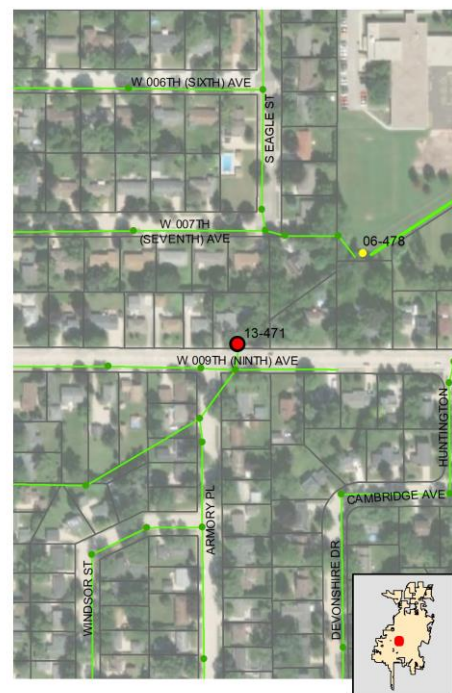
Easting: 783,680

Latitude/Longitude:

Latitude: 44.01077

Longitude: -88.57343

Location Map



Inspection Date: 11/5/2019 2:27:14 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 20

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. pH in normal range; detergent detected.

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

o20191105142746.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 191105-55

Time Collected: 14:27

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): 8.18 units


Temperature (field): 45 °F


Conductivity (field): 680 µS/cm



Detergents: 0.8 mg/L

Inspection Date: 9/18/2019 3:16:56 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Partially		Depth (in): 20																				
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>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
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Sample Location:	Flow																					
Total Chlorine:	0 ppm																					
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Graffiti:	None																					
Erosion:	Severe																					
Deposition:	None in.																					
Damage:	None																					
				 o20190918141444.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>																		

Inspection Date: 10/26/2018 1:26:25 PM		Type: Repeat	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: KMK																				
Submerged: Partially		Depth (in): 26																				
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>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>			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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Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
<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>8.18 units</td></tr> <tr><td>Temperature:</td><td>54 °F</td></tr> <tr><td>Conductivity:</td><td>1183 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.4 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.18 units	Temperature:	54 °F	Conductivity:	1183 µS/cm	Detergents:	0.4 mg/L	Notes Detergent detection follow-up. Limited screening conducted beyond sampling.				
Sample Location:	Flow																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	8.18 units																					
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Graffiti:	None																					
Erosion:	None																					
Deposition:	None in.																					
Damage:	None																					
				 o20181025093132.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																		

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		<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
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	None																					
Non-illicit:	None																					
<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>8.16 units</td></tr> <tr><td>Temperature:</td><td>51 °F</td></tr> <tr><td>Conductivity:</td><td>1209 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.5 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.16 units	Temperature:	51 °F	Conductivity:	1209 µS/cm	Detergents:	0.5 mg/L	Notes Downstream bank erosion. Sample collected from submerged flow in pipe. Detergent detected.				
Sample Location:	Flow																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	8.16 units																					
Temperature:	51 °F																					
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Graffiti:	None																					
Erosion:	Moderate																					
Deposition:	None in.																					
Damage:	None																					
				 o20181025093132.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																		

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		<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>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>			Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Slight																					
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>7.91 units</td></tr> <tr><td>Temperature:</td><td>74 °F</td></tr> <tr><td>Conductivity:</td><td>1579 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:	7.91 units	Temperature:	74 °F	Conductivity:	1579 µS/cm	Detergents:	0 mg/L	Notes No flow leaving pool on apron. Downstream channel dry. Sample collected from apron pool.				
Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.91 units																					
Temperature:	74 °F																					
Conductivity:	1579 µS/cm																					
Detergents:	0 mg/L																					
		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																					
				 o20120613115412.JPG <div style="text-align: center; font-size: 24pt; 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		Notes			
Submerged: Partially		Depth (in): 38					
Sampling Results		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: Benthic Growth: Slight Stains: 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: 8.38 units Temperature: 66 °F Conductivity: -- µS/cm Detergents: 0 mg/L							

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: 10/8/2019 3:51:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool near orifice on inlet pipe. Sample red/brown in color.

Floatables: None

Odor: Easily detected

Turbidity: Slight cloudiness

Color: None

Gross Solids: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191008145002.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-01

Time Collected: 15:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.27 units


Temperature (field): 65 °F


Conductivity (field): 383 µS/cm


Detergents: 0 mg/L


Inspection Date: 10/24/2018 12:03:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially		Depth (in): 2																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.34 units</p> <p>Temperature: 51 °F</p> <p>Conductivity: 514 µS/cm</p> <p>Detergents: 0 mg/L</p> </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>Cloudy</td></tr> <tr><td>Color:</td><td>Clearly visible in bottl</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>					Floatables:	None	Odor:	Faint	Turbidity:	Cloudy	Color:	Clearly visible in bottl	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	Faint																					
Turbidity:	Cloudy																					
Color:	Clearly visible in bottl																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
		<p>Notes</p> <p>Sample collected from submerged pool near orifice on inlet pipe.</p>		 <p style="text-align: center;">o20181024115924.JPG</p>																		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>																				
2018																						


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																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 3 ppm</p> <p>pH: 7.69 units</p> <p>Temperature: 66 °F</p> <p>Conductivity: 488 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div style="width: 45%;"> <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>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>Moderate</td></tr> <tr><td>Stains:</td><td>Severe</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>					Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Severe	Non-illicit:	None
Floatables:	Slight																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Severe																					
Non-illicit:	None																					
		<p>Notes</p> <p>Sample collected from submerged flow near orifice on inlet pipe. Elevated ammonia in sample.</p>		 <p style="text-align: center;">o20171018160304.JPG</p>																		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>																				
2017																						


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																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Flow</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.91 units</p> <p>Temperature: 67 °F</p> <p>Conductivity: 649 µS/cm</p> <p>Detergents: 0 mg/L</p> </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>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>Slight</td></tr> <tr><td>Stains:</td><td>Severe</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table> </div> </div>					Floatables:	None	Odor:	None	Turbidity:	Cloudy	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Severe	Non-illicit:	Slight
Floatables:	None																					
Odor:	None																					
Turbidity:	Cloudy																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Severe																					
Non-illicit:	Slight																					
		<p>Notes</p> <p>Sample collected from area where car wash pipe enters manhole.</p>		 <p style="text-align: center;">o20161019135400.JPG</p>																		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>																				
2016																						

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																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.96 units</p> <p>Temperature: 71 °F</p> <p>Conductivity: 572 µS/cm</p> <p>Detergents: 0 mg/L</p> </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 bottl</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> </div> </div>					Floatables:	None	Odor:	None	Turbidity:	None	Color:	Clearly visible in bottl	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	Clearly visible in bottl																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Moderate																					
Non-illicit:	None																					
		<p>Notes</p>		 <p style="text-align: center;">o20150924123444.JPG</p>																		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>																				
2015																						

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	Notes																																					
Submerged: Partially		Depth (in): 2																																						
<table border="1" style="width:100%"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>Slight</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>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>None</td> </tr> <tr> <td>pH:</td> <td>8.1 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>618 µS/cm</td> <td>Stains:</td> <td>Severe</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	Slight	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:	None	pH:	8.1 units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	None	Conductivity:	618 µS/cm	Stains:	Severe	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	Slight																																					
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:	None																																					
pH:	8.1 units	Vegetation:	None																																					
Temperature	-- °F	Benthic Growth:	None																																					
Conductivity:	618 µS/cm	Stains:	Severe																																					
Detergents:	0 mg/L	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																																						
<table border="1" style="width:100%"> <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>Slight cloudiness</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>1 ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.81 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>75 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>632 µS/cm</td> <td>Stains:</td> <td>Moderate</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:	None	Ammonia:	1 ppm	Gross Solids:	None	pH:	7.81 units	Vegetation:	None	Temperature	75 °F	Benthic Growth:	Slight	Conductivity:	632 µS/cm	Stains:	Moderate	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	Slight cloudiness																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	1 ppm	Gross Solids:	None																																					
pH:	7.81 units	Vegetation:	None																																					
Temperature	75 °F	Benthic Growth:	Slight																																					
Conductivity:	632 µS/cm	Stains:	Moderate																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20130731111022.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2013</div>																																					

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	Ammonia/detergent follow-up.																																					
<table border="1" style="width:100%"> <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>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>None</td> </tr> <tr> <td>pH:</td> <td>7.88 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>64 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>686 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:	Slight cloudiness	Free Chlorine:	0 ppm	Color:	Faint in bottle	Ammonia:	0 ppm	Gross Solids:	None	pH:	7.88 units	Vegetation:	None	Temperature	64 °F	Benthic Growth:	Slight	Conductivity:	686 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:	Slight cloudiness																																					
Free Chlorine:	0 ppm	Color:	Faint in bottle																																					
Ammonia:	0 ppm	Gross Solids:	None																																					
pH:	7.88 units	Vegetation:	None																																					
Temperature	64 °F	Benthic Growth:	Slight																																					
Conductivity:	686 µS/cm	Stains:	Slight																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120927100116.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2012</div>																																					

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	Black pool on flowline with petroleum odor.																																					
<table border="1" style="width:100%"> <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>Faint</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>Cloudy</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>Clearly visible in bottl</td> </tr> <tr> <td>Ammonia:</td> <td>3 ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>7.89 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>64 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1011 µS/cm</td> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>1.3 mg/L</td> <td>Non-illicit:</td> <td>Moderate</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	Faint	Total Chlorine:	0 ppm	Turbidity:	Cloudy	Free Chlorine:	0 ppm	Color:	Clearly visible in bottl	Ammonia:	3 ppm	Gross Solids:	Slight	pH:	7.89 units	Vegetation:	None	Temperature	64 °F	Benthic Growth:	None	Conductivity:	1011 µS/cm	Stains:	Moderate	Detergents:	1.3 mg/L	Non-illicit:	Moderate
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	Faint																																					
Total Chlorine:	0 ppm	Turbidity:	Cloudy																																					
Free Chlorine:	0 ppm	Color:	Clearly visible in bottl																																					
Ammonia:	3 ppm	Gross Solids:	Slight																																					
pH:	7.89 units	Vegetation:	None																																					
Temperature	64 °F	Benthic Growth:	None																																					
Conductivity:	1011 µS/cm	Stains:	Moderate																																					
Detergents:	1.3 mg/L	Non-illicit:	Moderate																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																					
			 o20120612104548.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2012</div>																																					

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

o20191008144112.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: 10/8/2019 3:43:31 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Moderate

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall sampled from flow.

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

o20191008144114.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-45

Time Collected: 15:44

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.82 units


Temperature (field): 64 °F


Conductivity (field): 1251 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/24/2018 12:25:28 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 8		
Sampling Results		Notes Outfall partially submerged - screened upstream at 13-1758 US1.		
Sample Location:	Floatables:	Slight		
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		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181024122310.JPG		
2018				

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		Notes Outfall partially submerged - screened upstream at 13-1758 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:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None		
		 o20171019103654.JPG		
2017				

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		Notes Outfall partially submerged - screened upstream at 13-1758 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	Easily detected		
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 13 in. Damage: None		
		 o20161019142738.JPG		
2016				

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		Notes Outfall partially submerged - screened at 13-1758 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:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None		
		 o20150924125956.JPG		
2015				


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		Notes		
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:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: Moderate 8 in.		
		Damage: None		



o20141007105524.JPG

2014

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		
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

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

o20191008140750.JPG

Outfall Notes:

Storm sewer from Fox Tail Ln discharges to stream north of trail.

County Coordinates:

Northing: 467,262

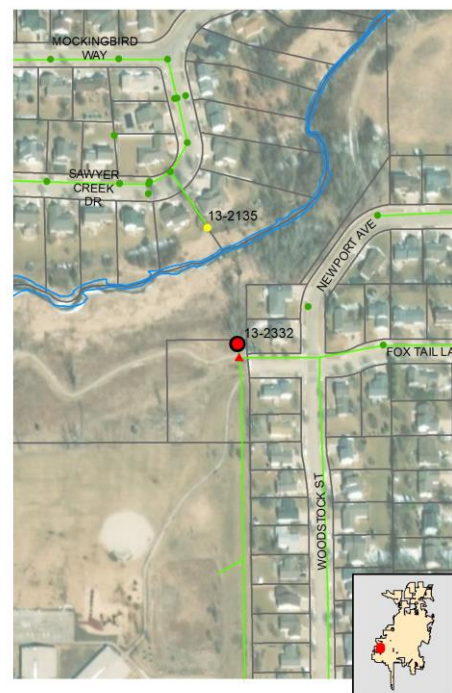
Easting: 774,586

Latitude/Longitude:

Latitude: 44.00128

Longitude: -88.60798

Location Map



Inspection Date: 11/5/2019 2:05:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 19

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 13-2332 US1. Follow-up inspection for sampling - limited screening conducted.

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

o20191105140404.JPG

2019

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

o20191008140758.jpg

2019

o20181024151710.JPG

2018

A photograph showing a large, dark, circular opening, possibly a manhole or tunnel entrance, surrounded by dense green vegetation and trees. The image is dated 05/27/2008 09:38.

o20120612083850.JPG

2012

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):



o20191008140952.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: 11/5/2019 2:06:59 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted.

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



o20191105140500.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 191105-17

Time Collected: 14:07

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- 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: 10/8/2019 3:11:14 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.62 units Temperature: 64 °F Conductivity: 1054 µS/cm Detergents: 0.8 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Sample collected from submerged pool in manhole. Detergent detected in sample.	 o20191008141008.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/26/2018 12:34:51 PM		Type: Repeat	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: Partially		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.66 units Temperature: 56 °F Conductivity: 1082 µS/cm Detergents: 0.35 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Detergent detection follow-up. Limited screening conducted beyond sampling.	 o20181024151936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

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 Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.56 units Temperature: 55 °F Conductivity: 1107 µS/cm Detergents: 0.3 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Sample collected from submerged pool in manhole. Detergent detected in sample.	 o20181024151936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

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 Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.64 units Temperature: 65 °F Conductivity: 982 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	 o20120612084456.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: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																																
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																		
Submerged: Partially		Depth (in): 9																																																		
<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>8.04 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>71 °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>0 mg/L</td> <td>Stains:</td> <td></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:	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	
Sample Location:	Pool	Floatables:	None																																																	
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																																																			
			 <p style="text-align: center;">Osh09_DSCN6440.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																																	

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): 29

Width (in): 45

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20191008135712.JPG

Outfall Notes:

Storm sewer from Homestead Dr and S Oakwood Rd discharges to stream from south.

County Coordinates:

Northing: 470,546

Easting: 775,915

Latitude/Longitude:

Latitude: 44.01030

Longitude: -88.60294

Location Map



Inspection Date: 11/5/2019 2:13:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 15

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 13-2736 US2. Follow-up inspection for sampling - limited screening conducted.

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191105141222.JPG

2019

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: 10/8/2019 2:58:39 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results		Notes		
Sample Location:		Outfall partially submerged - screened upstream at 13-2736 US2. Detergent detected in sample.		
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:	Moderate	
		Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20191008135730.JPG

2019

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:

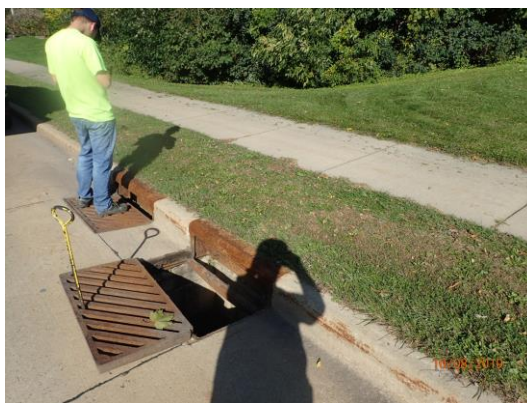
N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20191008135930.JPG

Outfall Notes:

Upstream curb inlet located approx 49 ft SW of outfall 13-2736. Intermediate area consists of street right-of-way. First upstream manhole in heavy traffic.

Mapping Precison:

☐ Not Physically Located

County Coordinates:

Northing: 470,503

Easting: 775,891

Latitude/Longitude:

Latitude: 44.01018

Longitude: -88.60303

Inspection Date: 11/5/2019 2:14:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. 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


o20191105141322.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 191105-99

Time Collected: 14:14

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 1.3 mg/L

Inspection Date: 10/8/2019 3:01:59 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
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:	7.74 units	Gross Solids:	None	
Temperature:	64 °F	Vegetation:	None	
Conductivity:	799 µS/cm	Benthic Growth:	None	
Detergents:	1.1 mg/L	Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20191008135938.JPG

2019

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

o20190918063130.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: 11/5/2019 1:32:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Potential

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

Photo Not Available

2019

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: 10/8/2019 8:14:46 AM		Type: Repeat	Flow: Submerged, indeterminate	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 Detergent detection follow-up. Limited screening conducted beyond sampling. No detergent in follow-up sample.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20191008071216.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2019</div>	


Inspection Date: 9/18/2019 7:32:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	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 inaccessible - screened upstream at 13-2957 US1a. Detergent in upstream manhole.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20190918063134.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2019</div>	

Inspection Date: 10/25/2018 1:17:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	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 inaccessible - screened upstream at 13-2957 US1a.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20181025131742.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2018</div>	

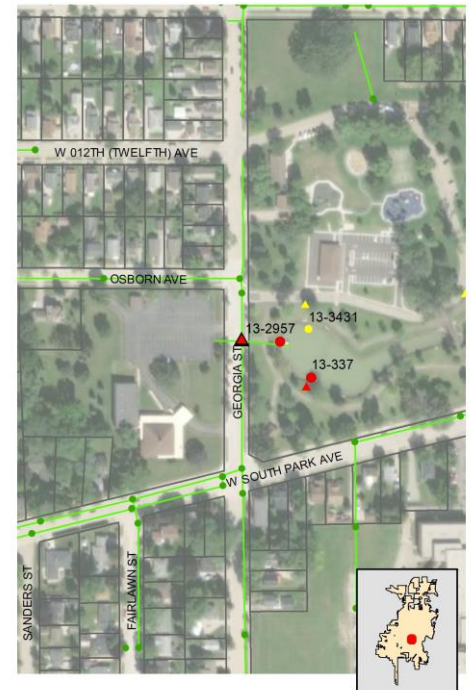
Inspection Date: 10/19/2016 1:42:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 19		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: Cloudy Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None		
		Notes Outfall partially submerged - screened upstream at 13-2957 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161019134018.JPG <div style="text-align: right; font-size: 24pt; 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	Notes																																					
Submerged: Partially		Depth (in): 17	Outfall partially submerged - screened at 13-2957 US1.																																					
<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>Cloudy</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>None</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>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:	Cloudy	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	Moderate	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	Cloudy																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	Moderate																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <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 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>					Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							
			 <p style="text-align: center;">o20150924121536.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																					

Inspection Date: 6/12/2012 1:30:43 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Partially		Depth (in): 21	Outfall partially submerged; screened upstream at 13-2957 US1.																																					
<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>None</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>Moderate</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:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	Moderate	Conductivity:	-- µS/cm	Stains:	Moderate	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:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	Moderate																																					
Conductivity:	-- µS/cm	Stains:	Moderate																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Condition Assessment</td> </tr> <tr> <td>Graffiti:</td> <td>Minor</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>					Condition Assessment		Graffiti:	Minor	Erosion:	None	Deposition:	None in.	Damage:	None																										
Condition Assessment																																								
Graffiti:	Minor																																							
Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							
			 <p style="text-align: center;">o20120612123258.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2012</p>																																					

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: None		Depth (in): 16																																						
<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>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>Slight</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:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:		Temperature:	-- °F	Benthic Growth:	Slight	Conductivity:	-- µS/cm	Stains:		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:	None																																					
pH:	-- units	Vegetation:																																						
Temperature:	-- °F	Benthic Growth:	Slight																																					
Conductivity:	-- µS/cm	Stains:																																						
Detergents:	-- mg/L	Non-illicit:	None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <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 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>					Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None 0 in.																																							
Damage:	None																																							
			 <p style="text-align: center;">Osh09_DSCN6483.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																					

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-4012

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190918063418.JPG

Outfall Notes:

Upstream manhole located approx 95 ft W of outfall 13-2957. Constructed before 2018 screening.

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 469,063

Easting: 787,886

Latitude/Longitude:

Latitude: 44.00626

Longitude: -88.55744

Inspection Date: 11/5/2019 1:33:38 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 71

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. Detergent in follow-up 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

o20191105133254.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 191105-21

Time Collected: 13:34

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0.6 mg/L

Inspection Date: 10/8/2019 8:16:29 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 72																																				
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>7.65 units</td> </tr> <tr> <td>Temperature:</td> <td>55 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1354 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:	7.65 units	Temperature:	55 °F	Conductivity:	1354 µS/cm	Detergents:	0 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>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:		Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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		Notes Detergent detection follow-up. Limited screening conducted beyond sampling. No detergent in follow-up sample.																																				
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Damage:	None																																					
			 o20191008071514.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>																																			

Inspection Date: 9/18/2019 7:36:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 71																																				
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>7.9 units</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1265 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0.75 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.9 units	Temperature:	70 °F	Conductivity:	1265 µS/cm	Detergents:	0.75 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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Damage:	None																																					
			 o20190918063424.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>																																			

Inspection Date: 10/25/2018 1:21:51 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 72																																				
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			 o20181025131952.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																			

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):



o20191008145906.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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/8/2019 4:01:14 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Moderate

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged flow at end of pipe. Elevated conductivity.

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

o20191008145924.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-65

Time Collected: 16:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.66 units

Temperature (field): 65 °F

Conductivity (field): 2470 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: 10/26/2018 12:50:27 PM		Type: Repeat	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: None		Depth (in):		
Sampling Results		Notes Detergent detection follow-up. Limited screening conducted beyond sampling.		
Sample Location: Flow	Floatables: Slight	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: 7.91 units	Gross Solids: None			
Temperature 56 °F	Vegetation: None			
Conductivity: 1745 µS/cm	Benthic Growth: None			
Detergents: 0.85 mg/L	Stains: Slight			
	Non-illicit: None			


o20181025072226.JPG
2018


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		Notes Sample collected from submerged flow at end of pipe. Detergent detected.		
Sample Location: Flow	Floatables: Slight	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: None			
Temperature 49 °F	Vegetation: None			
Conductivity: 1865 µS/cm	Benthic Growth: Moderate			
Detergents: 0.45 mg/L	Stains: Slight			
	Non-illicit: None			


o20181025072226.JPG
2018

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		
Sampling Results		Notes Sample collected from submerged flow at end of pipe.		
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: 7.88 units	Gross Solids: None			
Temperature 67 °F	Vegetation: None			
Conductivity: 1262 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			


o20171018161638.JPG
2017

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):		
Sampling Results		Notes		
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: 8.07 units	Gross Solids: Slight			
Temperature 66 °F	Vegetation: None			
Conductivity: 1396 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			


o20161019151808.JPG
2016

Inspection Date: 9/28/2015 10:08:12 AM		Type: Ongoing	Flow: Moderate	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: 8.07 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 70 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 455 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: 8.07 units	Gross Solids: None	Temperature: 70 °F	Vegetation: None	Conductivity: 455 µS/cm	Benthic Growth: Moderate	Detergents: 0 mg/L	Stains: Slight	
Sample Location: Flow	Floatables: Slight																			
Total Chlorine: 0 ppm	Odor: None																			
Free Chlorine: 0 ppm	Turbidity: None																			
Ammonia: 0 ppm	Color: None																			
pH: 8.07 units	Gross Solids: None																			
Temperature: 70 °F	Vegetation: None																			
Conductivity: 455 µS/cm	Benthic Growth: Moderate																			
Detergents: 0 mg/L	Stains: Slight																			
	Non-illicit: None																			
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti: None</td> <td style="width: 50%;">in.</td> </tr> <tr> <td>Erosion: None</td> <td></td> </tr> <tr> <td>Deposition: None</td> <td></td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>		Graffiti: None	in.	Erosion: None		Deposition: None		Damage: None									
Graffiti: None	in.																			
Erosion: None																				
Deposition: None																				
Damage: None																				



o20150928090940.JPG

2015

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):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008062420.JPG

Outfall Notes:

W. 28th Ave storm sewer discharges to stream from west.

County Coordinates:

Northing: 462,013

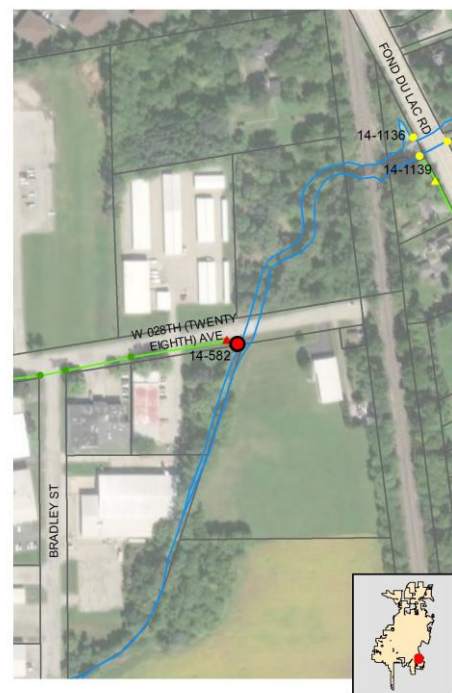
Easting: 793,247

Latitude/Longitude:

Latitude: 43.98693

Longitude: -88.53705

Location Map



Inspection Date: 11/5/2019 12:50:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. Detergent detected in manhole.

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

o20191105125024.JPG

2019

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: 10/8/2019 7:28:07 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 14		
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: Slight Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-582 US1. Detergent detected in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20191008062428.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2019</div>	


Inspection Date: 10/22/2018 12:38:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		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: Severe Stains: Slight Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-582 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20181022123600.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2018</div>	


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. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20171018125442.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2017</div>	

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. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019124922.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2016</div>	


Inspection Date: 9/24/2015 12:34:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes																																					
Submerged: Partially Depth (in): 11			Outfall partially submerged - screened at 14-582 US1.																																					
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				 <p style="text-align: center;">o20150924113630.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																				

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	Notes																																					
Submerged: Partially Depth (in): 5			Outfall partially submerged - screened upstream at 14-582 US1.																																					
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Sample Location:		Odor:	None																																					
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Erosion:	None																																							
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				 <p style="text-align: center;">o20141007120544.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>																																				

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.																																					
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Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							
				 <p style="text-align: center;">o20130731092642.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>																																				

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.																																					
<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>None</td> </tr> <tr> <td>pH:</td> <td>7.77 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>64 °F</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Conductivity:</td> <td>1077 µS/cm</td> <td>Stains:</td> <td>Severe</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:	None	pH:	7.77 units	Vegetation:	None	Temperature:	64 °F	Benthic Growth:	Moderate	Conductivity:	1077 µS/cm	Stains:	Severe	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
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Free Chlorine:	0 ppm	Color:	None																																					
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Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							
				 <p style="text-align: center;">o20120927103918.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2012</p>																																				


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		Floatables: None	Condition Assessment	
Sample Location: Pool		Odor: Noticeable from a dist	Graftiti: None	
Total Chlorine: 0 ppm		Turbidity: Cloudy	Erosion: None	
Free Chlorine: 0 ppm		Color: Clearly visible in flow	Deposition: None in.	
Ammonia: 0 ppm		Gross Solids: None	Damage: None	
pH: 75 units		Vegetation: None		
Temperature -- °F		Benthic Growth: Moderate		
Conductivity: 1419 µS/cm		Stains: None		
Detergents: 0 mg/L		Non-illicit: 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		Floatables: None	Condition Assessment	
Sample Location:		Odor: None	Graftiti: None	
Total Chlorine: -- ppm		Turbidity: None	Erosion: None	
Free Chlorine: -- ppm		Color: None	Deposition: None in.	
Ammonia: -- ppm		Gross Solids: None	Damage: None	
pH: -- units		Vegetation: None		
Temperature -- °F		Benthic Growth: Moderate		
Conductivity: -- µS/cm		Stains: None		
Detergents: -- mg/L		Non-illicit: 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	
Submerged: Partially Depth (in):			Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:	Graftiti:	
Total Chlorine: -- ppm		Turbidity:	Erosion:	
Free Chlorine: -- ppm		Color:	Deposition: in.	
Ammonia: -- ppm		Gross Solids:	Damage:	
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit: None		



o20111005122620.JPG

2011

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	
Submerged: Partially Depth (in):			Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location: Pool		Odor: Noticeable from a dist	Graftiti:	
Total Chlorine: -- ppm		Turbidity:	Erosion:	
Free Chlorine: -- ppm		Color:	Deposition: in.	
Ammonia: -- ppm		Gross Solids:	Damage:	
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:		



o20110526112114.jpg

2011

Inspection Date: 5/12/2011 1:03:00 PM		Type: Complaint	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		
Submerged: Partially		Depth (in):		
Sampling Results		Notes Responded to complaint about discharge from pipe. Outfall partially submerged. Yellow pool at end of pipe. Chemical smell inside pipe.		
Sample Location:	Pool	Floatables:		
Total Chlorine:	2 ppm	Odor:	Noticeable from a dist	
Free Chlorine:	2 ppm	Turbidity:		
Ammonia:	2 ppm	Color:	Clearly visible in flow	
pH:	-- units	Gross Solids:		
Temperature	-- °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	-- mg/L	Stains:		
		Non-illicit:	None	
		Condition Assessment Graffiti: Erosion: Deposition: in. Damage:		



o20110512133142.jpg

2011

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):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191105125148.jpg

Outfall Notes:

Upstream manhole located approx 27 ft WNW of outfall 14-582. Intermediate area consists of street right-of-way.

County Coordinates:

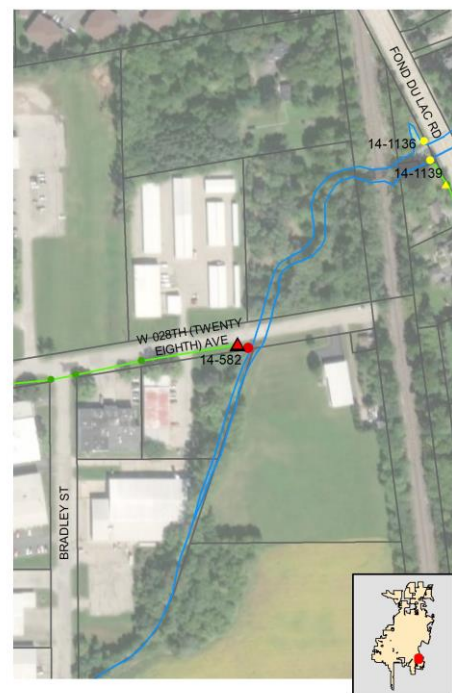
Northing: 462,023

Easting: 793,221

Latitude/Longitude:

Latitude: 43.98696

Longitude: -88.53715

Location Map
Inspection Date: 11/5/2019 12:51:44 PM **Inspector:** JCW **Inspection Type:** Repeat
Previous Rainfall (hrs): 48-72**Flow Description:** Submerged, slight flow

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Potential
Notes: Follow-up inspection for sampling - limited screening conducted. Detergent detected.

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

o20191105125154.JPG

2019**Sampling Results**

Sample Location: Flow

Sample ID: 191105-22

Time Collected: 12:52

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0.6 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

Inspection Date: 10/8/2019 7:30:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 10																																				
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>7.4 units</td></tr> <tr><td>Temperature:</td><td>53 °F</td></tr> <tr><td>Conductivity:</td><td>1715 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.9 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.4 units	Temperature:	53 °F	Conductivity:	1715 µS/cm	Detergents:	0.9 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																																					
		Notes Sample collected from submerged pool in manhole. Detergent detected.																																				
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		<p>Photo Not Available</p> <p>2019</p>																																				

Inspection Date: 10/22/2018 12:42:16 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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		<p>o20181022123926.JPG</p> <p>2018</p>																																				

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																																				
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Damage:	None																																					
		<p>o20171018130134.JPG</p> <p>2017</p>																																				

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																																				
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Damage:	None																																					
		<p>o20161019125222.JPG</p> <p>2016</p>																																				

Inspection Date: 9/24/2015 12:40:02 PM		Type: Ongoing	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: Partially Depth (in): 7																																							
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		Non-illicit:	None																																				



o20150924114134.JPG

2015

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	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> Notes No flow at 14-582 US7 (Hydrite lateral).																																				
Submerged: Partially Depth (in): 2																																							
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		Non-illicit:	None																																				



o20141007120930.JPG

2014

Inspection Date: 7/31/2013 10:27:12 AM		Type: Ongoing	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																																				
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o20130731093036.JPG

2013

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):



o20191008064428.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: 11/5/2019 12:33:00 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, significant flow

Submerged: Partially Depth (in): 5

Illicit Discharge Potential: Unlikely

Notes: Follow-up inspection for sampling - limited screening conducted. No detergent in follow-up sample.

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

o20191105123320.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 191105-32

Time Collected: 12:33

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: Minor Depth (in): 1


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


Inspection Date: 10/8/2019 7:44:51 AM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 48-72																														
Illicit Discharge Potential: Potential		Inspector: JCW																																
Submerged: Partially		Depth (in): 5																																
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			 o20191008064438.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>																															


Inspection Date: 10/22/2018 1:04:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 48-72																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																
Submerged: Partially		Depth (in): 3																																
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			 o20181022130156.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																															

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																																
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			 o20171019115316.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																															

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>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												
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Erosion:	None																																	
Deposition:	None in.																																	
Damage:	Minor																																	
			 o20161019130908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																															

Inspection Date: 9/24/2015 12:55:30 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 4" joint displacement.	
Submerged: None Depth (in):				
Sampling Results 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		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 in. Damage: Moderate	
 o20150924115728.JPG 2015				

Inspection Date: 7/31/2013 7:27:16 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes End section displaced 4".	
Submerged: None Depth (in):				
Sampling Results 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 Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor	
 o20130731063036.JPG 2013				

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes End section of pipe separated.	
Submerged: Partially Depth (in): 1				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.82 units Temperature: 73 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: Benthic Growth: Slight Stains: Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate	
 Osh09_DSCN6570.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:

PVC

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20111004131748.JPG

Outfall Notes:

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

County Coordinates:

Northing: 482,631

Easting: 799,584

Latitude/Longitude:

Latitude: 44.04349

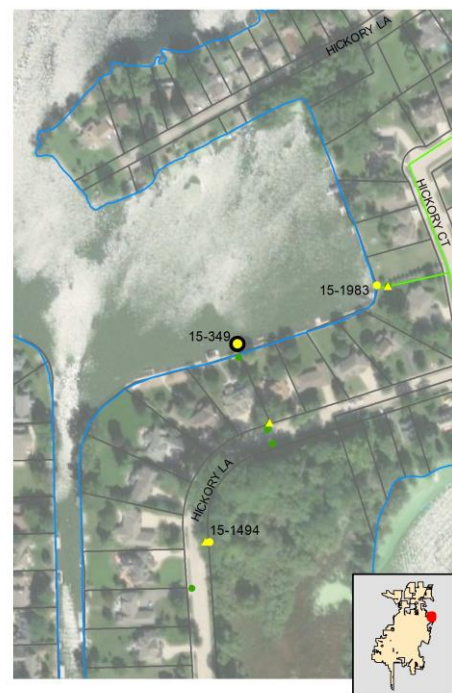
Longitude: -88.51299

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Location Map



Inspection Date: 9/18/2019 1:15:00 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.
Outfall screened upstream at 15-349 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): 0

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

Outfall
Not
Located

Photo Not Available

2019

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: 10/4/2011 1:17:22 PM		Type: Ongoing	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 Outfall fully submerged. Outfall screened upstream at 15-349 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004131754.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 1:39:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 15-349 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510133910.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">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:

15-1584

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190918121536.JPG

Outfall Notes:

Upstream manhole located approx 208 ft SSE of outfall 15-349. Intermediate area consists of residential property.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 482,437

Easting: 799,658

Latitude/Longitude:

Latitude: 44.04296

Longitude: -88.51271

Inspection Date: 9/18/2019 1:17:37 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 25

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: <input type="text" value="None"/>					
Color: <input type="text" value="None"/>					
Gross Solids: <input type="text" value="Slight"/>	<input checked="" type="checkbox"/> Litter	<input type="checkbox"/> Veg. Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			



o20190918121542.JPG


2019


Sampling Results

Sample Location: Pool
 Sample ID: 190918-14
 Time Collected: 13:16
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.15 units
 Temperature (field): 75 °F
 Conductivity (field): 104 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: 10/4/2011 1:20:12 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 21																																				
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>1 ppm</td> </tr> <tr> <td>pH:</td> <td>7.03 units</td> </tr> <tr> <td>Temperature:</td> <td>67 °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:	1 ppm	pH:	7.03 units	Temperature:	67 °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>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>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20111004132032.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 1:39:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
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		Notes <div style="border: 1px solid black; padding: 5px;"> Limited screening conducted for upstream manhole prescreening. </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																																					
			 o20110510134002.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20190917070520.JPG

Outfall Notes:

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

County Coordinates:

Northing: 479,573

Easting: 798,705

Latitude/Longitude:

Latitude: 44.03510

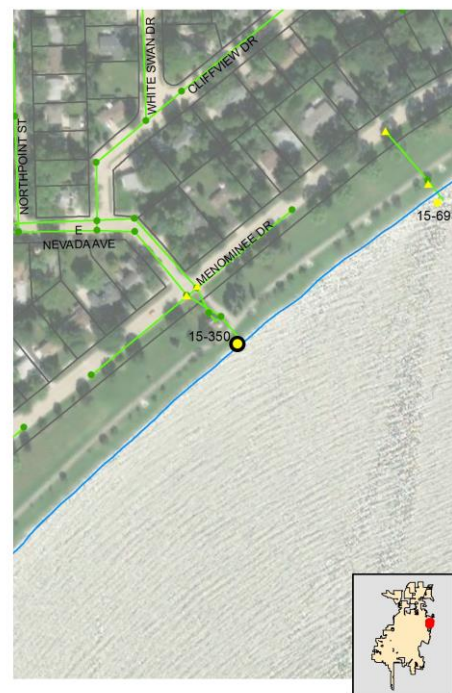
Longitude: -88.51633

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/17/2019 8:05:24 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 physically located. Outfall screened upstream at 15-350 US1a and US1b.

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

o20190917070528.JPG

2019

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: 10/4/2011 10:05:14 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 15-350 US1a and US1b.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20111004100608.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		

Inspection Date: 5/10/2011 12:47:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-350 US1a and US1b.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20110510124718.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-351

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

020190917071450.JPG

Outfall Notes:

Upstream manhole located approx 172 ft NNW of outfall 15-350. Intermediate area consists of lift station and open space in park.

County Coordinates:

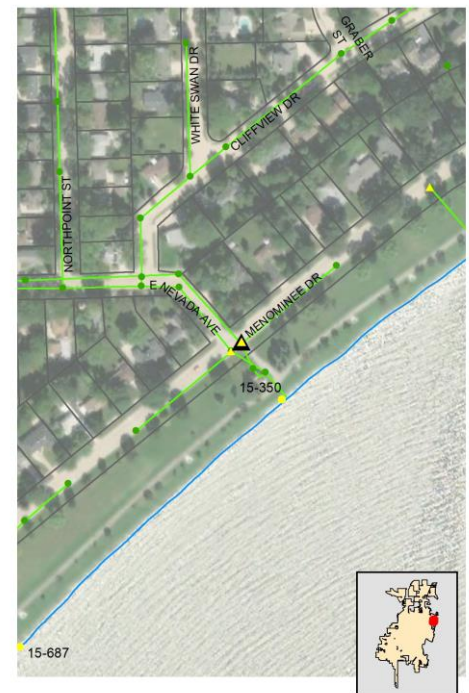
Northing: 479,716

Easting: 798,609

Latitude/Longitude:

Latitude: 44.03550

Longitude: -88.51670

Location Map**Inspection Date:** 9/17/2019 8:18:46 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Substantial

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Main flow from north (lower). Black stains under west pipe.

Floatables: None

Odor: Faint

Turbidity: None

Color: None

Gross Solids: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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



020190917071502.JPG

2019**Sampling Results**

Sample Location: Flow

Sample ID: 190917-61

Time Collected: 08:17

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.85 units

Temperature (field): 70 °F

Conductivity (field): 944 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/4/2011 10:15:46 AM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 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 Majority of flow from NW. Some flow from NE.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20111004101554.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/10/2011 12:50:00 PM		Type: Other	Flow: Moderate	Previous Rainfall (hrs): 0-24
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: Turbidity: Color: Gross Solids: None Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Limited screening conducted for upstream manhole prescreening.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20110510125008.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-661

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917070808.JPG

Outfall Notes:

Upstream manhole located approx 171 ft NNW of outfall 15-350. Intermediate area consists of pump station and open space in park.

County Coordinates:

Northing: 479,694

Easting: 798,583

Latitude/Longitude:

Latitude: 44.03543

Longitude: -88.51679

Location Map**Inspection Date:** 9/17/2019 8:21:14 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Moderate

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from moderate flow 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

o20190917070814.JPG

2019**Sampling Results**

Sample Location: Flow

Sample ID: 190917-30

Time Collected: 08:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.35 units

Temperature (field): 72 °F

Conductivity (field): 1074 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: 10/4/2011 10:19:12 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
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>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 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>7.88 units</td></tr> <tr><td>Temperature:</td><td>62 °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>			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:	7.88 units	Temperature:	62 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
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Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Notes Pool in manhole but no flow leaving. </div> <div style="width: 45%;"> 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> </div> </div>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111004101930.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

Inspection Date: 5/10/2011 12:48:00 PM		Type: Other	Flow: Moderate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
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>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>None</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 style="width: 45%;"> <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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		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:																																						
Turbidity:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20110510124808.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 10

Height/Depth (in):

Width (in):



o20190918124718.JPG

Outfall Notes:

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

County Coordinates:

Northing: 481,083

Easting: 800,473

Latitude/Longitude:

Latitude: 44.03924

Longitude: -88.50961

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/18/2019 1:48:20 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 15-378 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



o20190918124724.JPG

2019

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: 10/4/2011 11:13:31 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 15-378 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004111406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 1:08:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-378 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510131824.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">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:

15-378

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918124916.JPG

Outfall Notes:

Upstream manhole located approx 102 ft S of outfall 15-378. Intermediate area consists of residential open space.

County Coordinates:

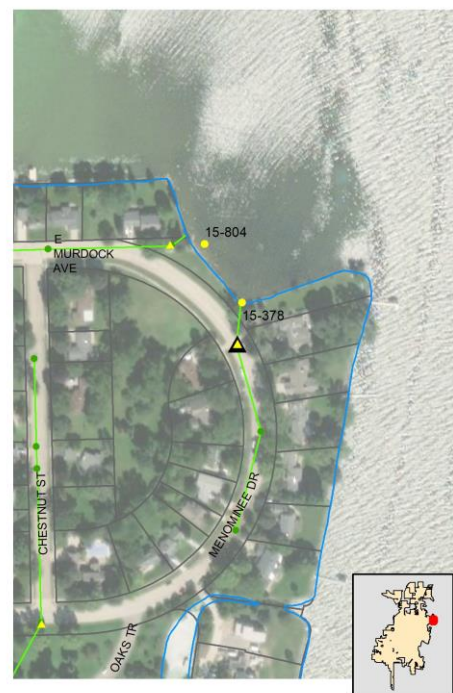
Northing: 480,981

Easting: 800,460

Latitude/Longitude:

Latitude: 44.03897

Longitude: -88.50966



Inspection Date: 9/18/2019 1:53:05 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 19

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



o20190918124922.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-27

Time Collected: 13:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.57 units

Temperature (field): 76 °F

Conductivity (field): 572 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: 10/4/2011 11:17:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 15																																				
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>0.25 ppm</td> </tr> <tr> <td>pH:</td> <td>7.09 units</td> </tr> <tr> <td>Temperature:</td> <td>62 °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:	0.25 ppm	pH:	7.09 units	Temperature:	62 °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>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>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:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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			 o20111004111612.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 1:19:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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Submerged: Fully		Depth (in):																																				
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20110510131928.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

RCP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):



o20111004095228.JPG

Outfall Notes:

Storm sewer from Lawndale St and Menominee Dr discharges to lake from northwest. Outfall fully submerged. Pipe info from MS4 map. Appears larger than 21".

County Coordinates:

Northing: 478,980

Easting: 798,056

Latitude/Longitude:

Latitude: 44.03348

Longitude: -88.51880

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 9/17/2019 8:28:46 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 physically located. Outfall screened upstream at 15-687 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

o20190917072832.JPG

2019

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: 10/4/2011 9:52:28 AM		Type: Ongoing	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: Moderate Stains: None Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 15-687 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004095238.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 12:36:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-687 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510123656.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2656

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917072958.JPG

Outfall Notes:

Upstream manhole located approx 53 ft NW of outfall 15-687. Intermediate area consists of open space in park.

County Coordinates:

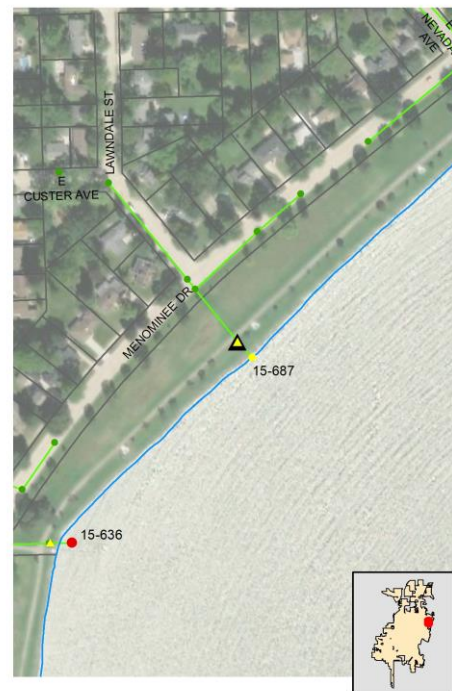
Northing: 479,018

Easting: 798,020

Latitude/Longitude:

Latitude: 44.03358

Longitude: -88.51893

Location Map**Inspection Date:** 9/17/2019 8:32:09 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 46

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: 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

o20190917073004.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-40

Time Collected: 08:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.10 units

Temperature (field): 71 °F

Conductivity (field): 333 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: 10/4/2011 9:56:41 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 39																																				
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>7.46 units</td> </tr> <tr> <td>Temperature:</td> <td>62 °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:	7.46 units	Temperature:	62 °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>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>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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			 o20111004095654.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 12:37:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
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			 o20110510123724.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 18

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20111004105800.JPG

Outfall Notes:

Storm sewer from Chestnut St discharges to lake from north. Outfall fully submerged. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 479,969

Easting: 799,788

Latitude/Longitude:

Latitude: 44.03619

Longitude: -88.51221

Location Map



Inspection Date: 9/17/2019 7:26:59 AM

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 15-690 US1a.

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): 5

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

o20190917062338.JPG

2019

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

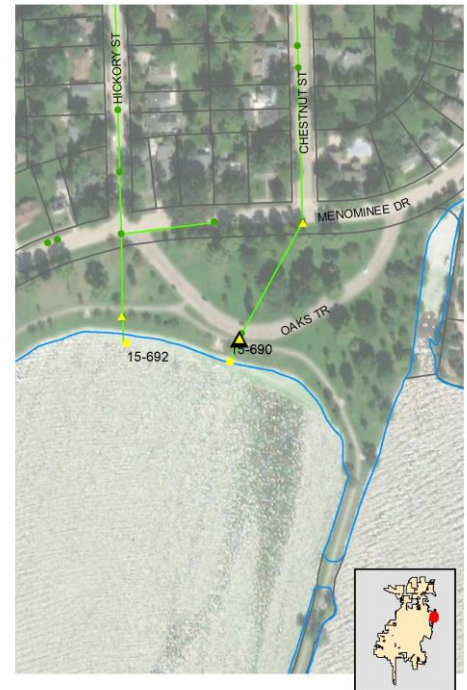
Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/4/2011 10:57:48 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 15-690 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20111004105810.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>		

Inspection Date: 5/10/2011 1:08:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-690 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 <p style="text-align: center;">o20110510130820.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

15-690

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190917062926.JPG

Outfall Notes:

Upstream manhole located approx 60 ft NNE of outfall 15-690. Intermediate area consists of open space in park.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 480,024

Easting: 799,812

Latitude/Longitude:

Latitude: 44.03634

Longitude: -88.51212

Inspection Date: 9/17/2019 7:32:13 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

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: 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

o20190917062930.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-56

Time Collected: 07:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.74 units

Temperature (field): 72 °F

Conductivity (field): 521 µS/cm

Detergents: 0 mg/L

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): 18

Height/Depth (in):

Width (in):



o20190917064014.JPG

Outfall Notes:

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

County Coordinates:

Northing: 480,019

Easting: 799,537

Latitude/Longitude:

Latitude: 44.03633

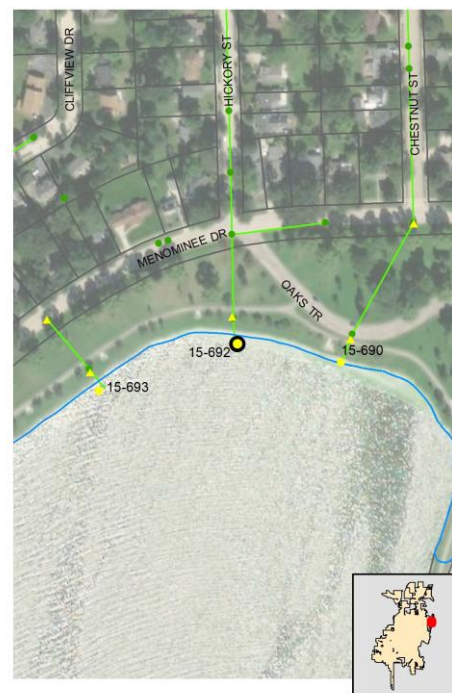
Longitude: -88.51317

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/17/2019 7:41:10 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 physically located. Outfall screened upstream at 15-692 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

o20190917064014.JPG

2019

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: 10/4/2011 10:46:16 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 15-692 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111004104636.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/10/2011 1:03:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-692 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510130346.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2514

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20111004104732.JPG

Outfall Notes:

Upstream manhole located approx 67 ft N of outfall 15-692. Intermediate area consists of open space.

County Coordinates:

Northing: 480,084

Easting: 799,525

Latitude/Longitude:

Latitude: 44.03651

Longitude: -88.51321

Location Map**Inspection Date:** 9/17/2019 7:43:20 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 42

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: 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

o20190917064118.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190917-04

Time Collected: 07:43

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.04 units

Temperature (field): 71 °F

Conductivity (field): 328 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: 10/4/2011 10:49:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		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>7.42 units</td> </tr> <tr> <td>Temperature:</td> <td>61 °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:	7.42 units	Temperature:	61 °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:	0 ppm																																					
pH:	7.42 units																																					
Temperature:	61 °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: 80px; 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																																					
			 o20111004104738.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 1:04:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		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:																																						
Turbidity:																																						
Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; padding: 5px;"> Limited screening conducted for upstream manhole prescreening. </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																																					
			 o20110510130406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 18

Height/Depth (in):

Width (in):



o20190917065144.JPG

Outfall Notes:

Curb inlets on Menominee Dr discharge to lake from north. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 479,910

Easting: 799,198

Latitude/Longitude:

Latitude: 44.03603

Longitude: -88.51446

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/17/2019 7:52:00 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 physically located. Outfall screened upstream at 15-693 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



o20190917065152.JPG

2019

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: 10/4/2011 10:28:46 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 15-693 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004102834.JPG 2011		

Inspection Date: 5/10/2011 12:55:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-693 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510125550.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:

15-693

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190917065302.JPG

Outfall Notes:

Upstream manhole located approx 60 ft NNW of outfall 15-693. Intermediate area consists of open park space and shoreline.

County Coordinates:

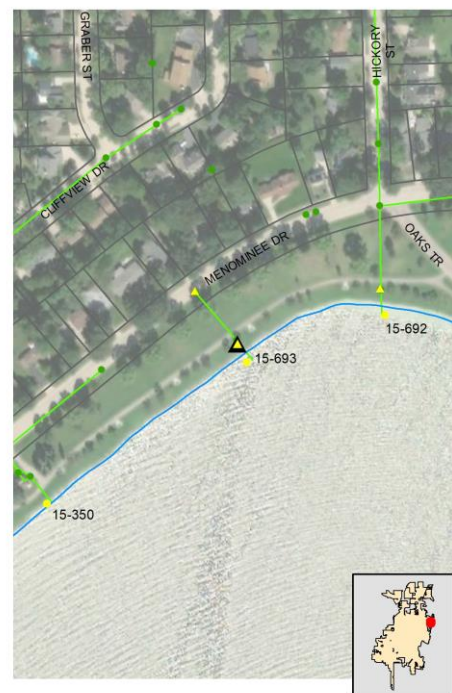
Northing: 479,955

Easting: 799,176

Latitude/Longitude:

Latitude: 44.03615

Longitude: -88.51454



Inspection Date: 9/17/2019 7:56:33 AM

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 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

o20190917065308.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190917-64

Time Collected: 07:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 71 °F

Conductivity (field): 141 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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20190918123934.JPG

Outfall Notes:

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

County Coordinates:

Northing: 481,227

Easting: 800,385

Latitude/Longitude:

Latitude: 44.03964

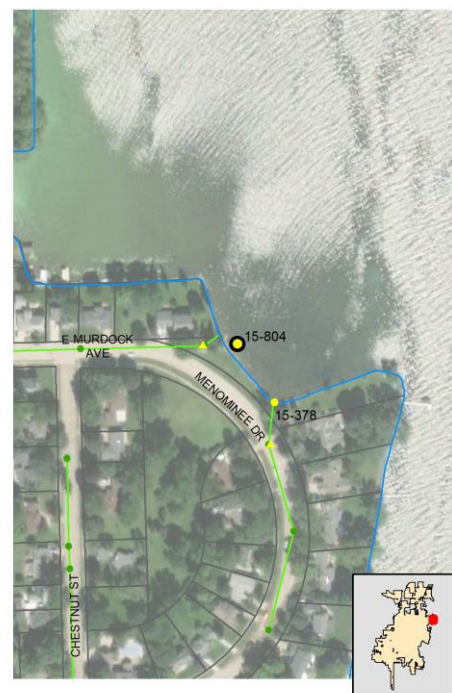
Longitude: -88.50994

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Location Map



Inspection Date: 9/18/2019 1:40:13 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 15-804 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

o20190918123940.JPG

2019

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: 10/4/2011 11:26:06 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
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Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					

Inspection Date: 5/10/2011 1:24:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24																																		
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></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></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>	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 15-804 US1.	 o20110510132458.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
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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:

15-804

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918124058.JPG

Outfall Notes:

Upstream manhole located approx 45 ft SW of outfall 15-804. Intermediate area consists of open space.

County Coordinates:

Northing: 481,226

Easting: 800,301

Latitude/Longitude:

Latitude: 44.03964

Longitude: -88.51026



Inspection Date: 9/18/2019 1:43:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 42

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



o20190918124104.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-50

Time Collected: 13:41

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.98 units

Temperature (field): 76 °F

Conductivity (field): 346 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: 10/4/2011 11:30:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		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>7.18 units</td> </tr> <tr> <td>Temperature:</td> <td>62 °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:	7.18 units	Temperature:	62 °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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			 o20111004112950.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 1:25:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
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Sample Location:																																						
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Vegetation:																																						
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Stains:																																						
Non-illicit:	None																																					
		Notes Limited screening conducted for upstream manhole prescreening.																																				
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Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20110510132528.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Non-Priority Non-Major 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:

Mapping GPS

☐ Not Physically Located

o20190918114848.JPG

Outfall Notes:

Storm sewer from Doemel St discharges to channel from west. Outfall fully submerged. Pipe info from MS4 map.

County Coordinates:

Northing: 482,129

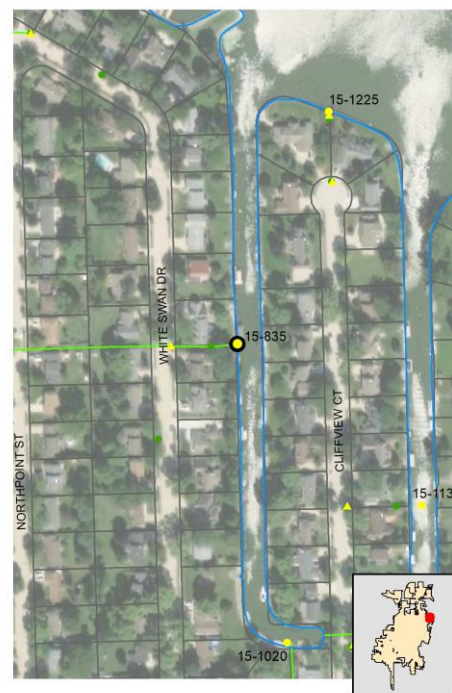
Easting: 798,723

Latitude/Longitude:

Latitude: 44.04212

Longitude: -88.51627

Location Map



Inspection Date: 9/18/2019 12:50:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged. Outfall screened upstream at 15-835 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

o20190918114852.JPG

2019

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: 10/4/2011 2:07:03 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20111004140804.JPG</p> <p>2011</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged. Outfall screened upstream at 15-835 US1.			
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:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			

Inspection Date: 5/10/2011 2:35:00 PM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20110510143726.JPG</p> <p>2011</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged. Outfall screened upstream at 15-835 US1.			
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:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2629

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918115022.JPG

Outfall Notes:

Upstream curb inlet located approx 163 ft W of outfall 15-835. Intermediate area consists of residential property.

County Coordinates:

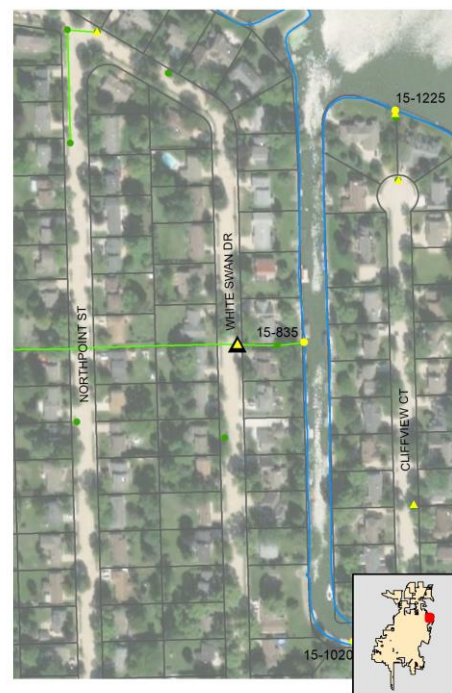
Northing: 482,129

Easting: 798,561

Latitude/Longitude:

Latitude: 44.04211

Longitude: -88.51688

Location Map**Inspection Date:** 9/18/2019 12:52:32 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 43

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

o20190918115028.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-31

Time Collected: 12:51

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.13 units

Temperature (field): 76 °F

Conductivity (field): 339 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/4/2011 2:10:30 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 38																																				
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>7.17 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °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:	7.17 units	Temperature:	66 °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
Sample Location:	Pool																																					
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20111004141000.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 5/10/2011 2:39:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20110510144006.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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): 24

Height/Depth (in):

Width (in):



o20110510142644.JPG

Outfall Notes:

Storm sewer from E Murdock Ave discharges to channel from south. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 481,396

Easting: 798,831

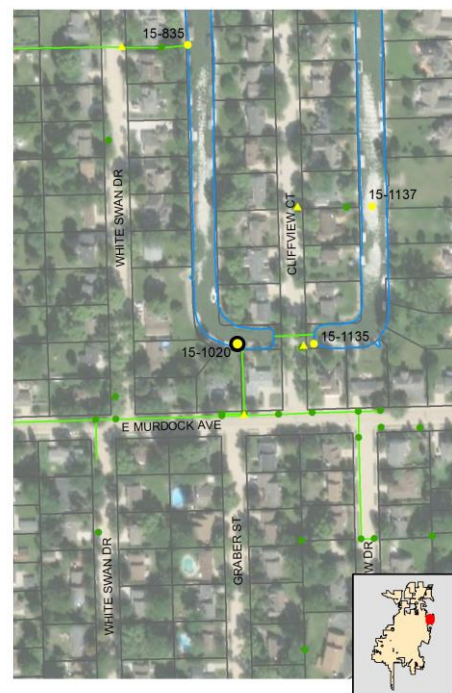
Latitude/Longitude:

Latitude: 44.04010

Longitude: -88.51585

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located**Location Map****Inspection Date:** 9/18/2019 12:38:10 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 15-1020 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

o20190918113648.JPG

2019**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: 10/5/2011 10:54:53 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 15-1020 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		Outfall Not Located Photo Not Available 2011		

Inspection Date: 5/10/2011 2:26:00 PM		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 15-1020 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510142644.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:

15-1020

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918113918.JPG

Outfall Notes:

Upstream manhole located approx 172 ft S of outfall 15-1020. Intermediate area consists of residential property.

County Coordinates:

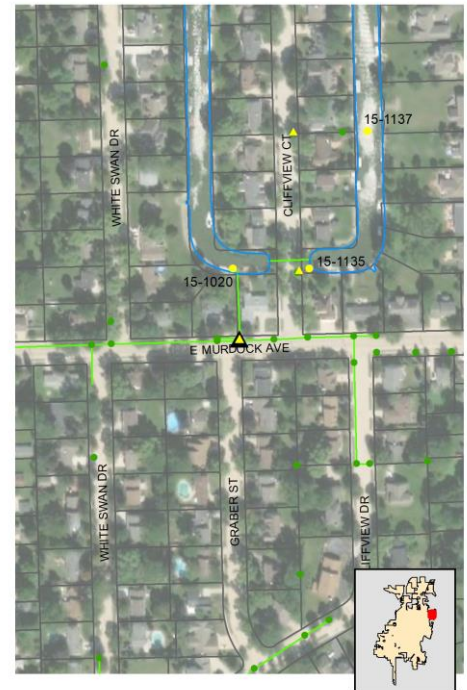
Northing: 481,224

Easting: 798,843

Latitude/Longitude:

Latitude: 44.03963

Longitude: -88.51581



Inspection Date: 9/18/2019 12:41:43 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 44

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



o20190918113926.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-71

Time Collected: 12:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.67 units

Temperature (field): 75 °F

Conductivity (field): 472 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/5/2011 10:58:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 40																																				
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>7.14 units</td> </tr> <tr> <td>Temperature:</td> <td>62 °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:	7.14 units	Temperature:	62 °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																																					
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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																																					
			 o20111005105556.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/10/2011 2:22:00 PM		Type: Other	Flow: Submerged, indeterminate	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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	Moderate	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20110510142736.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

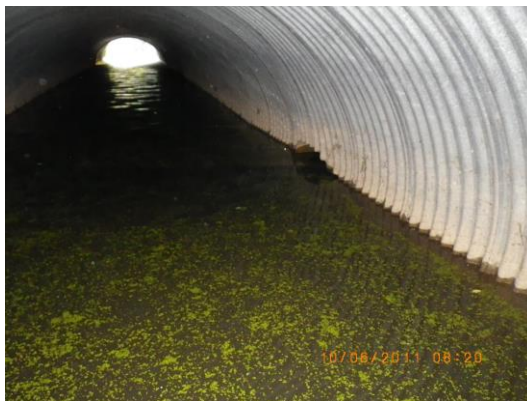
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20111006082032.JPG

Outfall Notes:

24 inch CMP from N Main St storm sewer discharges into metal box culvert. Outfall partially submerged. Outfall screened upstream at 15-1032 US1.

County Coordinates:

Northing: 487,413

Easting: 793,008

Latitude/Longitude:

Latitude: 44.05660

Longitude: -88.53801

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Location Map



Inspection Date: 10/8/2019 10:03:18 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. Outfall screened upstream at 15-1032 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

o20191008090200.JPG

2019

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: 10/6/2011 8:24:29 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: 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. Outfall screened upstream at 15-1032 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111006082056.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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: 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_DSCN6377.JPG <div style="text-align: right; 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:

15-1032

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20191008090208.JPG

Outfall Notes:

Upstream manhole located approx 9 ft SSW of outfall 15-1032. Intermediate area consists of open space in street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 487,404

Easting: 793,006

Latitude/Longitude:

Latitude: 44.05658

Longitude: -88.53802

Inspection Date: 10/8/2019 10:04:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

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: 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

o20191008090234.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-95

Time Collected: 10:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.71 units

Temperature (field): 61 °F

Conductivity (field): 1068 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: 10/6/2011 8:27:31 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 15																																				
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>7.33 units</td> </tr> <tr> <td>Temperature:</td> <td>65 °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:	7.33 units	Temperature:	65 °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																																					
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			 o20111006082622.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in):																																				
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Sample Location:	Pool																																					
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Graffiti:	None																																					
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Deposition:	None 0 in.																																					
Damage:	None																																					
			 Osh09_DSCN6379.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</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): 24

Height/Depth (in):

Width (in):



o20191008085108.JPG

Outfall Notes:

N Main St storm sewer discharges to stream from north. Outfall partially submerged. Outfall screened upstream at 15-1067 US1. CMP crushed, with holes.

County Coordinates:

Northing: 487,414

Easting: 793,081

Latitude/Longitude:

Latitude: 44.05661

Longitude: -88.53773

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/8/2019 9:51:51 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged. Outfall screened upstream at 15-1067 US1. Damaged metal pipe with holes.

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

o20191008085136.JPG

2019

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

Inspection Date: 10/6/2011 8:01:50 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: 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. Outfall screened upstream at 15-1067 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Severe 16 in. Damage: Moderate		
				 o20111006080206.JPG 2011

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 14		
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 Crushed pipe.		
		Condition Assessment Graffiti: None Erosion: None Deposition: 5 in. Damage: Minor		
				 Osh09_DSCN6372.JPG 2009

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1067

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20191008085642.JPG

Outfall Notes:

Upstream manhole located approx 80 ft NW of outfall 15-1067. Intermediate area consists of street right-of-way.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 487,461

Easting: 793,016

Latitude/Longitude:

Latitude: 44.05674

Longitude: -88.53798

Inspection Date: 10/8/2019 9:58:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

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: 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

o20191008085648.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-43

Time Collected: 09:59

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 61 °F

Conductivity (field): 1310 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: 10/6/2011 8:06:25 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 17		
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: 7.41 units		Gross Solids:	None	
Temperature: 65 °F		Vegetation:	None	
Conductivity: -- µS/cm		Benthic Growth:	None	
Detergents: 0 mg/L		Stains:	None	
		Non-illicit:	None	
Notes				
Condition Assessment				
Graffiti: None				
Erosion: None				
Deposition: None		0 in.		
Damage: None				



o20111006080524.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):



o20191008093750.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: 10/8/2019 10:39:37 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 15-1093 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

o20191008093752.JPG

2019

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: 10/25/2018 12:17:00 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 fully submerged and not located - screened upstream at 15-1093 US1.	 o20181025121522.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

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		
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 15-1093 US1.	 o20171019143036.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: 9/24/2015 7:09:54 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 14		
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 at 15-1093 US1.	 o20150924061136.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 6 in. Damage: None		

Inspection Date: 10/9/2014 1:54:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
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 15-1093 US1.	 o20141009125326.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: 10/6/2011 8:44:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 9			Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	
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		



o20111006084300.JPG

2011


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	
Submerged: Partially Depth (in):			Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:		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		



o20110526091844.JPG

2011


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	
Submerged: Partially Depth (in): 7			Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	Slight cloudiness		
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		



o20100826144742.JPG

2010

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 7			Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	
Total Chlorine: -- ppm	Odor:	Faint		
Free Chlorine: -- ppm	Turbidity:	Cloudy		
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		



Osh09_DSCN6359.JPG

2009

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):

Mapping Precison:

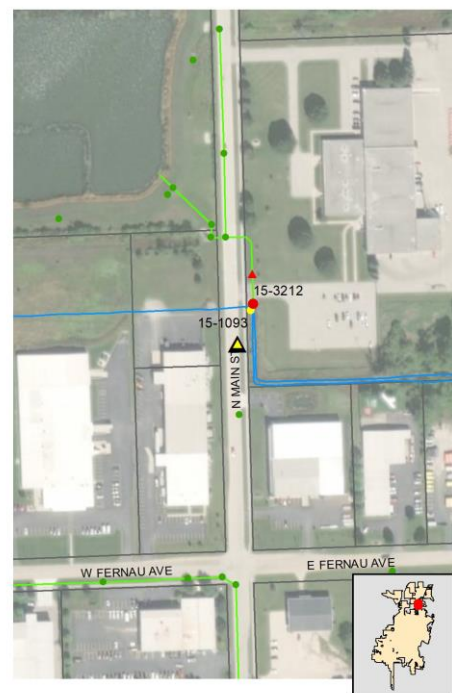
Mapping GPS

☐ Not Physically Located

o20191008094046.JPG

Outfall Notes:

Upstream manhole located approx 88 ft SSW of outfall 15-1093. Intermediate area consists of Main Street and right-of-way.



County Coordinates:

Northing: 488,645

Easting: 793,028

Latitude/Longitude:

Latitude: 44.05998

Longitude: -88.53793

Inspection Date: 10/8/2019 10:42:17 AM

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: 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



o20191008094054.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-33

Time Collected: 10:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.62 units

Temperature (field): 63 °F

Conductivity (field): 499 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: 10/25/2018 12:18:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.12 units Temperature: 57 °F Conductivity: 1046 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	
			 o20181025121704.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	


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: Pool 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	Notes		
Submerged: Partially		Depth (in): 4	 o20111006085240.JPG 2011		
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:	7.54 units	Gross Solids:			None
Temperature:	65 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			Slight
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

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		
Submerged: Partially		Depth (in):	 o20110526091718.JPG 2011		
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		
			Condition Assessment Limited screening conducted for upstream manhole prescreening. Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

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	 o20100826144124.JPG 2010		
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:	7.95 units	Gross Solids:			None
Temperature:	79 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			Slight
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Partially		Depth (in):	 Osh09_DSCN6366.JPG 2009		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	-- ppm	Color:			None
pH:	7.79 units	Gross Solids:			None
Temperature:	76 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			None
		Non-illicit:	None		
			Condition Assessment Ammonia test = 0 mg/L Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Material:

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20190918110520.JPG

Outfall Notes:

Curb inlet on Cliffview Ct discharges to channel from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 481,392

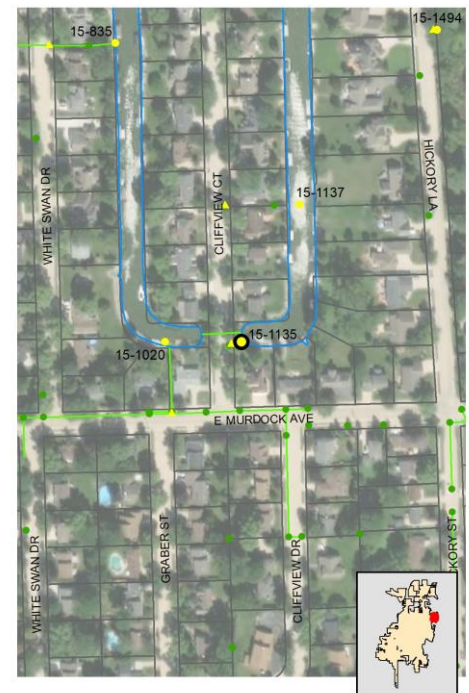
Easting: 799,017

Latitude/Longitude:

Latitude: 44.04009

Longitude: -88.51515

Location Map



Inspection Date: 9/18/2019 12:06:23 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 15-1135 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



o20190918110522.JPG

2019

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: 10/4/2011 1:29:58 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 Dense weed mat in area. Outfall fully submerged and not physically located. Outfall screened upstream at 15-1135 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004133024.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 2:22:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 15-1135 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510142210.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1135

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918110622.JPG

Outfall Notes:

Upstream curb inlet located approx 26 ft W of outfall 15-1135. Intermediate area consists of street right-of-way and shoreline.

County Coordinates:

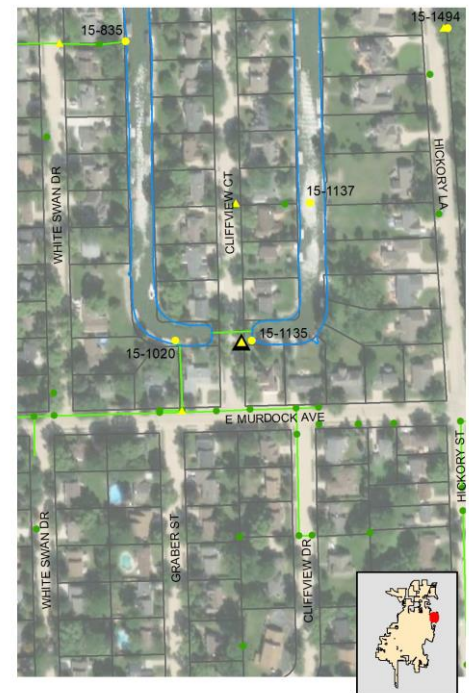
Northing: 481,389

Easting: 798,991

Latitude/Longitude:

Latitude: 44.04009

Longitude: -88.51524

Location Map

Inspection Date: 9/18/2019 12:08:37 PM **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: ☐ 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



o20190918110628.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-76

Time Collected: 12:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.70 units

Temperature (field): 75 °F

Conductivity (field): 345 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: 10/4/2011 1:32:50 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>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>6.85 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °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:	6.85 units	Temperature:	66 °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>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>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:	Faint	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	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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Temperature:	66 °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 <div style="border: 1px solid black; height: 80px; 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																																					
		 o20111004133148.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 5/10/2011 2:22:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
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></td> </tr> <tr> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>Gross Solids:</td> <td>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		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:																																						
Turbidity:																																						
Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; padding: 5px;"> Limited screening conducted for upstream manhole prescreening. </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																																					
		 o20110510142236.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Material:

City ID:

N/A

Dimensions

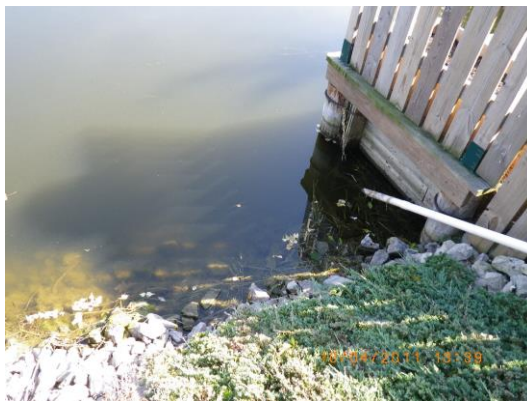
Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20111004133902.JPG

Outfall Notes:

Storm sewer from Cliffview Ct discharges to channel from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

County Coordinates:

Northing: 481,726

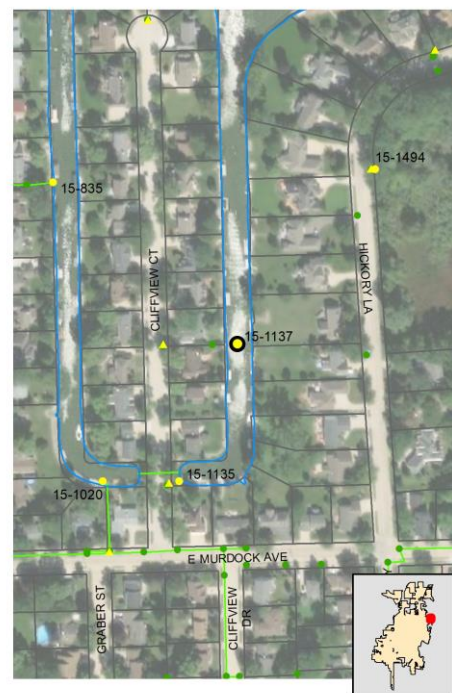
Easting: 799,164

Latitude/Longitude:

Latitude: 44.04101

Longitude: -88.51459

Location Map



Inspection Date: 9/18/2019 12:15:56 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 15-1137 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

2019

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: 10/4/2011 1:38:32 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 15-1137 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004133908.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		

Inspection Date: 5/10/2011 2:06:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-1137 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510140628.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1136

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918111420.JPG

Outfall Notes:

Upstream curb inlet located approx 181 ft W of outfall 15-1137. Intermediate area consists of residential property. 15" pipe to outfall.

County Coordinates:

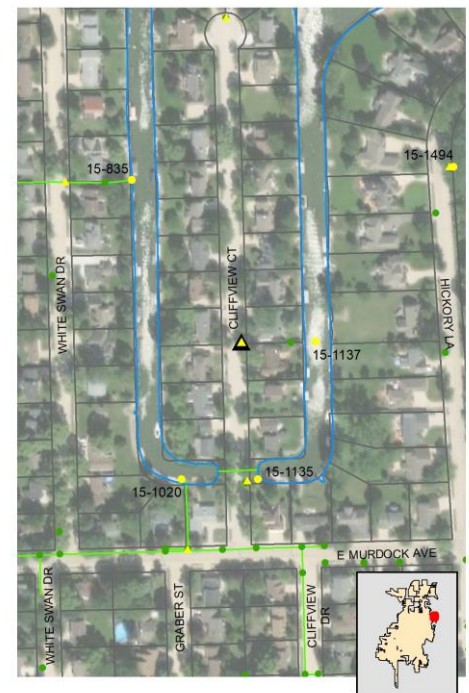
Northing: 481,729

Easting: 798,983

Latitude/Longitude:

Latitude: 44.04102

Longitude: -88.51528

Location Map**Inspection Date:** 9/18/2019 12:16:27 PM**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: Minor Depth (in): 1

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

o20190918111428.JPG

2019**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: 10/4/2011 1:42:19 PM		Type: Ongoing	Flow: None	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>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>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:	None	Stains:	Moderate	Non-illicit:	None												
Floatables:	None																																	
Odor:	None																																	
Turbidity:	None																																	
Color:	None																																	
Gross Solids:	Slight																																	
Vegetation:	None																																	
Benthic Growth:	None																																	
Stains:	Moderate																																	
Non-illicit:	None																																	
<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 colspan="2">Notes</td></tr> <tr><td colspan="2">Inlet dry at time of inspection. Thin layer of concrete at bottom of outlet pipe.</td></tr> <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 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes		Inlet dry at time of inspection. Thin layer of concrete at bottom of outlet pipe.		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:																																		
Total Chlorine:	-- ppm																																	
Free Chlorine:	-- ppm																																	
Ammonia:	-- ppm																																	
pH:	-- units																																	
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Graffiti:	None																																	
Erosion:	None																																	
Deposition:	None 0 in.																																	
Damage:	None																																	
			 <p style="text-align: center;">o20111004134042.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																															

Inspection Date: 5/10/2011 2:07:00 PM		Type: Other	Flow: Trickle	Previous Rainfall (hrs): 0-24																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																
Submerged: None		Depth (in):																																
Sampling Results		<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>None</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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None												
Floatables:	None																																	
Odor:																																		
Turbidity:																																		
Color:																																		
Gross Solids:	None																																	
Vegetation:																																		
Benthic Growth:																																		
Stains:																																		
Non-illicit:	None																																	
<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 colspan="2">Notes</td></tr> <tr><td colspan="2">Limited screening conducted for upstream manhole prescreening.</td></tr> <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 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes		Limited screening conducted for upstream manhole prescreening.		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sample Location:																																		
Total Chlorine:	-- ppm																																	
Free Chlorine:	-- ppm																																	
Ammonia:	-- ppm																																	
pH:	-- units																																	
Temperature:	-- °F																																	
Conductivity:	-- µS/cm																																	
Detergents:	-- mg/L																																	
Notes																																		
Limited screening conducted for upstream manhole prescreening.																																		
Condition Assessment																																		
Graffiti:	None																																	
Erosion:	None																																	
Deposition:	None 0 in.																																	
Damage:	None																																	
			 <p style="text-align: center;">o20110510140728.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008092802.JPG

Outfall Notes:

Storm sewer from E Fernau Ave discharges to stream from east.

County Coordinates:

Northing: 488,055

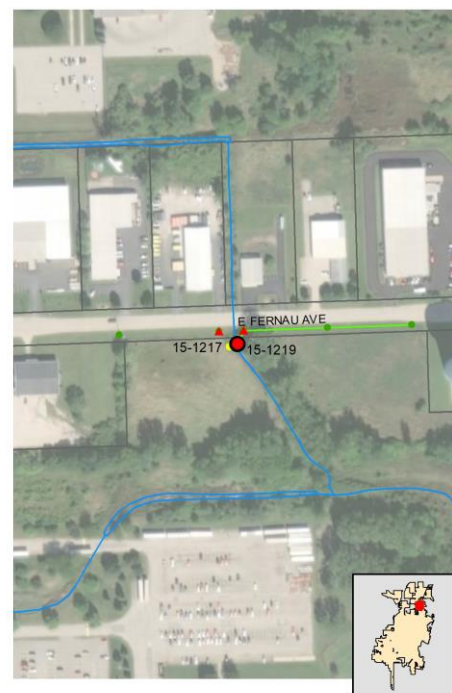
Easting: 793,684

Latitude/Longitude:

Latitude: 44.05836

Longitude: -88.53544

Location Map



Inspection Date: 10/8/2019 10:28:43 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Moderate

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


o20191008092808.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-11

Time Collected: 10:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.40 units


Temperature (field): 62 °F

Conductivity (field): 698 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/5/2011 2:46:18 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: Slight Non-illicit: None	Notes Dirt wet but no flow leaving through outfall pipe.	 o20111005144608.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 7 in. Damage: Minor		

Inspection Date: 5/26/2011 9:23:00 AM		Type: Other	Flow: Submerged, indeterminate	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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 15-1219 US1.	 o20110526092324.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: Moderate		

Inspection Date: 9/2/2009		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	 Osh09_DSCN6347.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: 4 in. Damage: Minor		

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):



o20190918112412.JPG

Outfall Notes:

Storm sewer from Cliffview Ct discharges to lake from south. Outfall fully submerged. Pipe size from MS4 map.

Mapping Precison:

Mapping GPS

☐ Not Physically Located**County Coordinates:**

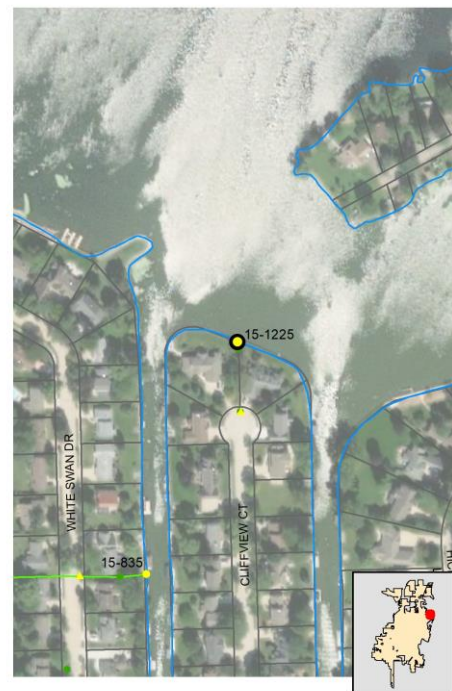
Northing: 482,693

Easting: 798,955

Latitude/Longitude:

Latitude: 44.04366

Longitude: -88.51538

Location Map**Inspection Date:** 9/18/2019 12:25:55 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. Outfall screened upstream at 15-1225 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



o20190918112430.JPG

2019**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: 10/4/2011 1:48:23 PM		Type: Ongoing	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 Dense weed mat on surface. Outfall fully submerged. Outfall screened upstream at 15-1225 US1 and US2.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20111004134856.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

Inspection Date: 5/10/2011 2:13:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall fully submerged. Outfall screened upstream at 15-1225 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		 o20110510141344.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>		

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:

15-1224

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918112620.JPG

Outfall Notes:

Upstream curb inlet located approx 171 ft S of outfall 15-1225. Intermediate area consists of residential property. US1 buried under landscape.

County Coordinates:

Northing: 482,523

Easting: 798,961

Latitude/Longitude:

Latitude: 44.04319

Longitude: -88.51536



Inspection Date: 9/18/2019 12:30:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully 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: 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

o20190918112626.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-17

Time Collected: 12:27

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.67 units

Temperature (field): 75 °F

Conductivity (field): 438 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/4/2011 1:57:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+															
Illicit Discharge Potential: Unlikely		Inspector: JCW																	
Submerged: Fully		Depth (in): 15																	
Sampling Results		Notes																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Pool</td> <td style="width: 50%;">Floatables: Slight</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: None</td> </tr> <tr> <td>pH: 6.6 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 66 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: -- 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: Slight</td> </tr> </table>					Sample Location: Pool	Floatables: Slight	Total Chlorine: 0 ppm	Odor: Faint	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: None	pH: 6.6 units	Gross Solids: None	Temperature: 66 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: None	Detergents: 0 mg/L
Sample Location: Pool	Floatables: Slight																		
Total Chlorine: 0 ppm	Odor: Faint																		
Free Chlorine: 0 ppm	Turbidity: None																		
Ammonia: 0 ppm	Color: None																		
pH: 6.6 units	Gross Solids: None																		
Temperature: 66 °F	Vegetation: None																		
Conductivity: -- µS/cm	Benthic Growth: None																		
Detergents: 0 mg/L	Stains: None																		
	Non-illicit: Slight																		
		Condition Assessment																	
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti: None</td> <td style="width: 50%;"></td> </tr> <tr> <td>Erosion: None</td> <td></td> </tr> <tr> <td>Deposition: None</td> <td>0 in.</td> </tr> <tr> <td>Damage: None</td> <td></td> </tr> </table>			Graffiti: None		Erosion: None		Deposition: None	0 in.	Damage: None								
Graffiti: None																			
Erosion: None																			
Deposition: None	0 in.																		
Damage: None																			



o20111004135732.JPG

2011

Non-Priority Major 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): 33

Width (in): 49

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008091648.JPG

Outfall Notes:

Storm sewer from Moser St discharges to channel from north.

County Coordinates:

Northing: 488,057

Easting: 794,330

Latitude/Longitude:

Latitude: 44.05837

Longitude: -88.53298

Location Map



Inspection Date: 10/8/2019 10:17:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged. Outfall screened upstream at 15-1248 US1.

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191008091700.JPG

2019

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: 10/5/2011 3:05:49 PM		Type: Ongoing	Flow: Submerged, slight flow	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: Slight Stains: Slight Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 15-1248 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 11 in. Damage: Minor		
			 o20111005150508.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/26/2011 9:31:00 AM		Type: Other	Flow: Submerged, indeterminate	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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Outfall partially submerged. Outfall screened upstream at 15-1248 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20110526093152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 9/2/2009		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: 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: Benthic Growth: Slight Stains: Non-illicit: None		
		Notes		
		Condition Assessment Graffiti: None Erosion: None Deposition: 8 in. Damage: None		
			 Osh09_DSCN6341.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:

15-1248

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008092100.JPG

Outfall Notes:

Upstream manhole located approx 392 ft N of outfall 15-1248. Intermediate area consists of street right-of-way.

County Coordinates:

Northing: 488,448

Easting: 794,313

Latitude/Longitude:

Latitude: 44.05945

Longitude: -88.53305



Inspection Date: 10/8/2019 10:22:37 AM

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: 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

o20191008092106.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-82

Time Collected: 10:23

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.94 units

Temperature (field): 62 °F

Conductivity (field): 878 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: 10/5/2011 3:10:24 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 17																																				
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>7.4 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:	7.4 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>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																																					
			 o20111005151006.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 5/26/2011 9:35:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		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></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></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>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Vegetation:																																						
Benthic Growth:																																						
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		Notes Limited screening conducted for upstream manhole prescreening.																																				
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			 o20110526093522.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in): 0																																				
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			 Osh09_DSCN6344.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</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:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008102452.JPG

Outfall Notes:

Storm sewer from Moser St discharges to swale from west.

County Coordinates:

Northing: 490,823

Easting: 794,347

Latitude/Longitude:

Latitude: 44.06596

Longitude: -88.53292

Location Map



Inspection Date: 10/8/2019 11:25:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 29

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged. Outfall screened upstream at 15-1263 US1.

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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


o20191008102502.JPG

2019

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: 10/6/2011 9:21:36 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 20		
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. Outfall screened upstream at 15-1263 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 16 in. Damage: None		
			 o20111006091914.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/26/2011 9:38:00 AM		Type: Other	Flow: Submerged, indeterminate	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: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 15-1263 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20110526093900.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 18		
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: Slight Stains: _____ Non-illicit: None	Notes _____	
		Condition Assessment Graffiti: None Erosion: None Deposition: 10 in. Damage: None		
			 Osh09_DSCN6332.JPG <div style="text-align: right; 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:

15-1263

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008102716.JPG

Outfall Notes:

Upstream manhole located approx 31 ft W of outfall 15-1263. Intermediate area consists of street and railroad right-of-way.

County Coordinates:

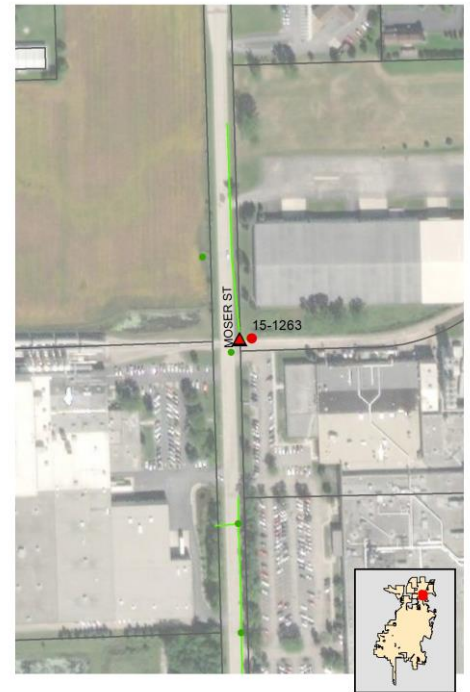
Northing: 490,823

Easting: 794,317

Latitude/Longitude:

Latitude: 44.06596

Longitude: -88.53303



Inspection Date: 10/8/2019 11:27:36 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 28

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

o20191008102732.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-26

Time Collected: 11:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.75 units

Temperature (field): 63 °F

Conductivity (field): 757 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: 10/6/2011 9:25:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		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>7.5 units</td> </tr> <tr> <td>Temperature:</td> <td>65 °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:	7.5 units	Temperature:	65 °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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Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20111006092340.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 5/26/2011 9:39:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in):																																				
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		 o20110526093944.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in):																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 Osh09_DSCN6335.JPG <div style="text-align: right; 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:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20190918120300.JPG

Outfall Notes:

Storm sewer from Hickory La discharges to wetland area east of road.

County Coordinates:

Northing: 482,147

Easting: 799,507

Latitude/Longitude:

Latitude: 44.04216

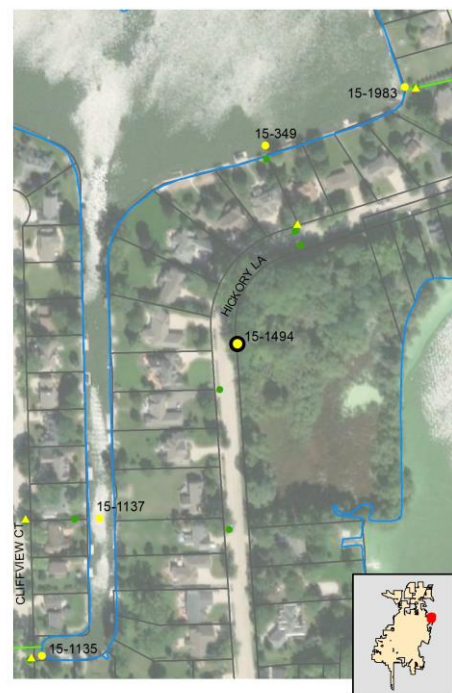
Longitude: -88.51328

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 9/18/2019 1:05:01 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 18

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged. Outfall screened upstream at 15-1494 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

o20190918120304.JPG

2019

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: 10/4/2011 1:01:53 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: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 6 in. Damage: None	
			 o20111004130230.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/10/2011 1:31:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
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: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Outfall fully submerged. Outfall screened upstream at 15-1494 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20110510133204.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">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:

15-1494

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20190918120500.JPG

Outfall Notes:

Upstream manhole located approx 10 ft W of outfall 15-1494. Intermediate area consists of open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 482,149

Easting: 799,497

Latitude/Longitude:

Latitude: 44.04217

Longitude: -88.51332

Inspection Date: 9/18/2019 1:07:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 16

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: None

Odor: Faint

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

o20190918120508.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-52

Time Collected: 13:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.21 units

Temperature (field): 75 °F

Conductivity (field): 305 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: 5/10/2011 1:33:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Limited screening conducted for upstream manhole prescreening.		
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		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		



o20110510133350.JPG

2011

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): 18

Height/Depth (in):

Width (in):

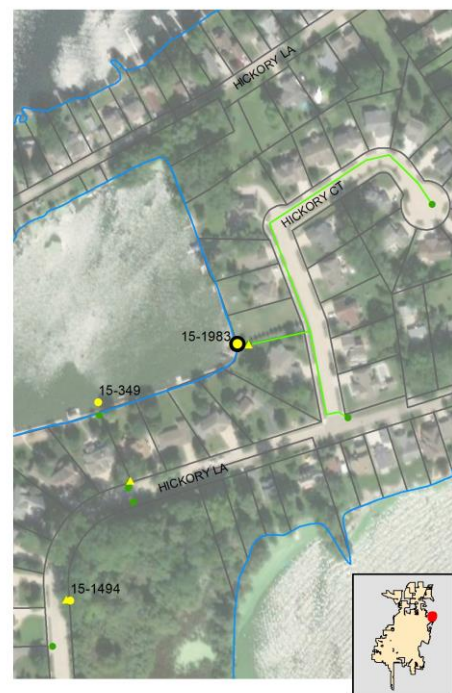


o20190918122744.JPG

Outfall Notes:

Storm sewer from Hickory Ct discharges to lake from east. Outfall fully submerged.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 482,768

Easting: 799,925

Latitude/Longitude:

Latitude: 44.04387

Longitude: -88.51169

Inspection Date: 9/18/2019 1:29:36 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.
Outfall screened upstream at 15-1983 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

o20190918122746.JPG

2019

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: 10/4/2011 1:07:50 PM		Type: Ongoing	Flow: Submerged, indeterminate	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>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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Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
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Sample Location:																						
Total Chlorine:	-- ppm																					
Free Chlorine:	-- ppm																					
Ammonia:	-- ppm																					
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Erosion:	None																					
Deposition:	None 0 in.																					
Damage:	None																					
		 o20111004130826.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																				

Inspection Date: 5/10/2011 1:44:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Fully		Depth (in):																				
Sampling Results		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></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></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>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Sample Location:																						
Total Chlorine:	-- ppm																					
Free Chlorine:	-- ppm																					
Ammonia:	-- ppm																					
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Graffiti:	None																					
Erosion:	None																					
Deposition:	None 0 in.																					
Damage:	None																					
		 o20110510134454.JPG <div style="text-align: right; font-size: 24pt; font-weight: bold;">2011</div>																				

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1983

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918122756.JPG

Outfall Notes:

Upstream manhole located approx 27 ft E of outfall 15-1983. Intermediate area consists of residential property.

County Coordinates:

Northing: 482,766

Easting: 799,952

Latitude/Longitude:

Latitude: 44.04386

Longitude: -88.51159

Location Map**Inspection Date:** 9/18/2019 1:30:16 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 25

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: 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

o20190918122804.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 190918-16

Time Collected: 13:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.86 units

Temperature (field): 76 °F

Conductivity (field): 396 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: 10/4/2011 1:10:33 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 20																																				
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			 <p style="text-align: center;">o20111004130936.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																			

Inspection Date: 5/10/2011 1:46:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
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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): 36

Height/Depth (in):

Width (in):



o20191008110618.JPG

Outfall Notes:

Storm sewer from Hillwood Run discharges to wetland area east of road.

County Coordinates:

Northing: 498,250

Easting: 799,930

Latitude/Longitude:

Latitude: 44.08634

Longitude: -88.51168

Location Map



Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Inspection Date: 10/8/2019 12:07:32 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged. Outfall screened upstream at 15-2108 US2. (US1 not located under fill.)

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

o20191008110626.JPG

2019

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): 4

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

Location Map

Structure Type:

Manhole

Discharge Location:

Water of the State

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:

Mapping GPS

☐ Not Physically Located

o20191008111020.JPG

Outfall Notes:

Upstream manhole located approx 180 ft WNW of outfall 15-2108. Intermediate area consists of residential lot under construction. US1 not located under fill.

County Coordinates:

Northing: 498,295

Easting: 799,759

Latitude/Longitude:

Latitude: 44.08646

Longitude: -88.51233



Inspection Date: 10/8/2019 12:11:32 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 7

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

o20191008111058.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-99

Time Collected: 12:13

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.22 units

Temperature (field): 63 °F

Conductivity (field): 673 µS/cm

Detergents: 0 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): 24

Height/Depth (in):

Width (in):



o20191105102346.JPG

Outfall Notes:

Storm sewer from CTH A discharges to stream from west.

County Coordinates:

Northing: 487,899

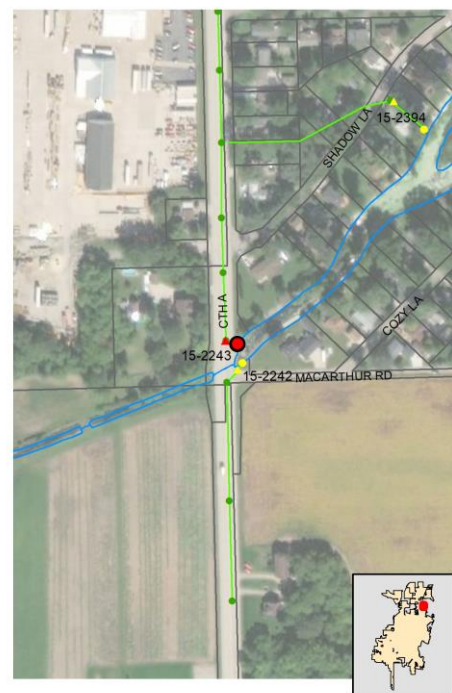
Easting: 795,684

Latitude/Longitude:

Latitude: 44.05794

Longitude: -88.52783

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

Inspection Date: 11/5/2019 10:24:00 AM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted.

Floatables:

Odor:

Turbidity:

Color:

Gross Solids:

Vegetation:

Benthic Growth:

Stains:

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

o20191105102346.JPG

2019

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: 10/8/2019 11:47:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-2243 US1. Detergent in upstream manhole.	
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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

Outfall Not Located

Photo Not Available

2019


Inspection Date: 10/6/2011 10:18:45 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 15-2243 US1.	
Submerged: Fully Depth (in): 20				
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	



o20111006102246.JPG

2011

Inspection Date: 5/26/2011 10:24:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-2243 US1.	
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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	



o20110526102404.JPG

2011

Inspection Date: 9/8/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-2243 US1.	
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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Photo Not Available

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2243

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008104550.JPG

Outfall Notes:

Upstream manhole located approx 31 ft WNW of outfall 15-2243. Intermediate area consists of county highway right-of-way.

County Coordinates:

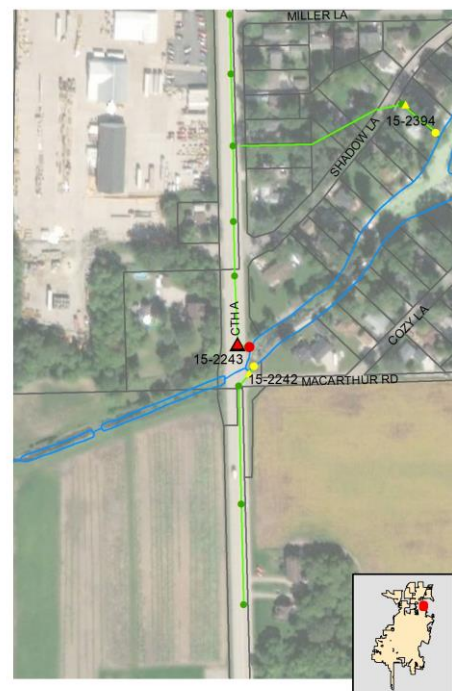
Northing: 487,908

Easting: 795,655

Latitude/Longitude:

Latitude: 44.05797

Longitude: -88.52794

Location Map
Inspection Date: 11/5/2019 10:25:09 AM **Inspector:** JCW **Inspection Type:** Repeat
Previous Rainfall (hrs): 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 22

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted. Detergent detect in sample from 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 AssessmentGraffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20191105102140.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-52

Time Collected: 10:25

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: 0.6 mg/L

Inspection Date: 10/8/2019 11:48:40 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 32																																				
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>7.38 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>1212 µS/cm</td></tr> <tr><td>Detergents:</td><td>1 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.38 units	Temperature:	63 °F	Conductivity:	1212 µS/cm	Detergents:	1 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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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20191008104558.JPG 2019																																		

Inspection Date: 10/6/2011 10:14:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 24																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111006101340.JPG 2011																																		

Inspection Date: 5/26/2011 10:23:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		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></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></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>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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Free Chlorine:	-- ppm																																					
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Odor:																																						
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Gross Solids:																																						
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes Limited screening conducted for upstream manhole prescreening.																																				
		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																																					
				 o20110526102324.JPG 2011																																		

Inspection Date: 9/8/2009		Type: Initial	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>-- ppm</td></tr> <tr><td>pH:</td><td>8.19 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:	8.19 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></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></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>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Turbidity:																																						
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Stains:																																						
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 Osh09_DSCN6601.JPG 2009																																		

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Other (not an outfall)

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 34

Width (in): 58

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

o20191008083750.JPG

Outfall Notes:

3 barrels

County Coordinates:

Northing: 481,233

Easting: 794,517

Latitude/Longitude:

Latitude: 44.03965

Longitude: -88.53226

Location Map



Inspection Date: 10/8/2019 9:38:53 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 4

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: 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

o20191008083756.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-60

Time Collected: 09:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.54 units

Temperature (field): 61 °F

Conductivity (field): 544 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

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):



o20191008112004.JPG

Outfall Notes:

Storm sewer from CTH Y discharges to stream from north.

County Coordinates:

Northing: 496,846

Easting: 794,323

Latitude/Longitude:

Latitude: 44.08248

Longitude: -88.53302

Mapping Precison:

Mapping GPS

☐ Not Physically Located

Location Map



Inspection Date: 10/8/2019 12:21:31 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged. Outfall screened upstream at 15-2790 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

o20191008112030.JPG

2019

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

Location Map

Structure Type:

Manhole

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2792

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008112328.JPG

Outfall Notes:

Upstream manhole located approx 74 ft NNE of outfall 15-2790. Intermediate area consists of open park space.

County Coordinates:

Northing: 496,918

Easting: 794,341

Latitude/Longitude:

Latitude: 44.08268

Longitude: -88.53295



Inspection Date: 10/8/2019 12:24:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

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

o20191008112342.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-78

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): 64 °F

Conductivity (field): 1080 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:

Channel - concrete

City ID:

N/A

Dimensions

Diameter (in): 60

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191105095938.JPG

Outfall Notes:

Storm sewer from Jackson Street discharges to SW corner of detention basin. Constructed 2016 - replaces outfall 15-1889.

County Coordinates:

Northing: 489,004

Easting: 792,449

Latitude/Longitude:

Latitude: 44.06097

Longitude: -88.54014

Location Map



Inspection Date: 11/5/2019 10:02:41 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 15-3211 US1. Detergent detected in upstream manhole.

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191105100008.JPG

2019

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:

MS4 Stormwater Facility

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-3211

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191105100350.JPG

Outfall Notes:

Upstream manhole located approx 89 ft SW of outfall 15-3211. Intermediate area consists of grassy pond embankment.

County Coordinates:

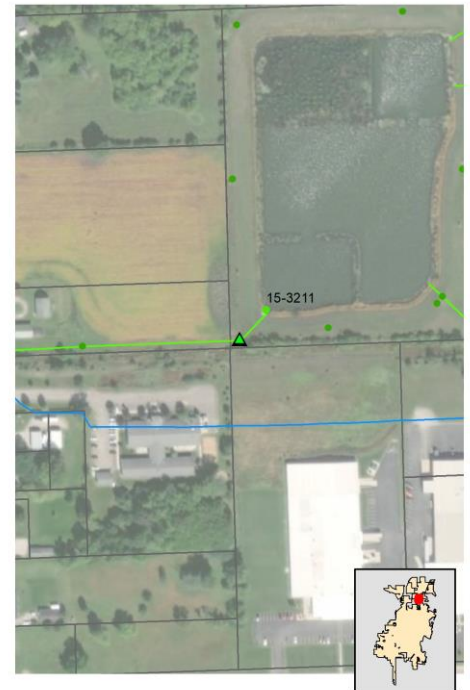
Northing: 488,935

Easting: 792,382

Latitude/Longitude:

Latitude: 44.06078

Longitude: -88.54039

Location Map**Inspection Date:** 11/5/2019 10:05:10 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. 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

o20191105100400.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-71

Time Collected: 10:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.38 units

Temperature (field): 64 °F

Conductivity (field): 1074 µS/cm

Detergents: 0.4 mg/L

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): 36

Width (in): 72

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

Photo Not Available

Outfall Notes:

N Main St storm sewer discharges to stream from north (under driveway). Replaces outfall 15-1095 (2016).

County Coordinates:

Northing: 488,742

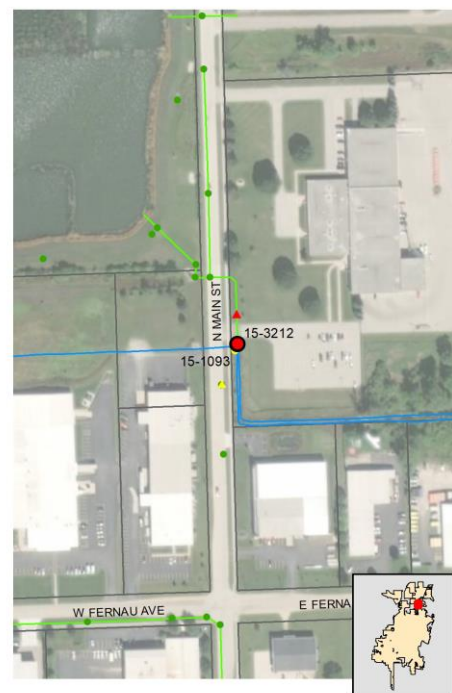
Easting: 793,068

Latitude/Longitude:

Latitude: 44.06025

Longitude: -88.53778

Location Map



Inspection Date: 10/8/2019 10:47:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 24

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened at manhole 15-3212 US1.

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

Photo Not Available

2019

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:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-3212

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Photo Not Available

Outfall Notes:

Upstream manhole located approx 73 ft N of outfall 15-3212. Intermediate area consists of commercial driveway and lawn area.

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 488,815

Easting: 793,068

Latitude/Longitude:

Latitude: 44.06045

Longitude: -88.53778

Inspection Date: 10/8/2019 10:48:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 24

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow in manhole.

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

Photo Not Available

2019

Sampling Results

Sample Location: Flow

Sample ID: 101008-30

Time Collected: 10:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.59 units

Temperature (field): 62 °F

Conductivity (field): 836 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:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20190918095234.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: 9/18/2019 10:52:56 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



o20190918095242.JPG

2019

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: 10/24/2018 9:00:09 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 16-142 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20181024085930.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>	

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-size: 24pt; font-weight: bold;">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-size: 24pt; font-weight: bold;">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-size: 24pt; font-weight: bold;">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		Notes		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;"> <p>Outfall fully submerged and not located - screened upstream at 16-142 US1.</p> </div>		
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		



o20141007070234.JPG

2014


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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;"> <p>Outfall fully submerged; screened upstream at 16-142 US1.</p> </div>		
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		



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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;"> <p>2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.</p> </div>		
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		



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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;"> <p>Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.</p> </div>		
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		



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

o20190918095326.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: 9/18/2019 10:55:43 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. Floating gross solids (litter) in manhole. Ammonia below action limit.

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



o20190918095336.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-36

Time Collected: 10:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0.5 ppm


pH (field): 7.03 units


Temperature (field): 75 °F


Conductivity (field): 458 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/24/2018 9:01:58 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 24		
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: 7.83 units</p> <p>Temperature: 48 °F</p> <p>Conductivity: 354 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>		
				 o20181024090004.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>

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		<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: 1 ppm</p> <p>pH: 7.56 units</p> <p>Temperature: 66 °F</p> <p>Conductivity: 535 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: Moderate</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p>Notes</p> <p>Sample collected from submerged pool in manhole. Ammonia assumed due to decomposing leaves.</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>		
				 o20171017110926.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>

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		<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: 1 ppm</p> <p>pH: 6.65 units</p> <p>Temperature: 70 °F</p> <p>Conductivity: 809 µS/cm</p> <p>Detergents: 0 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: Moderate</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: None</p> <p>Non-illicit: Moderate</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>		
				 o20161010133936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

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		<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: 8.06 units</p> <p>Temperature: 71 °F</p> <p>Conductivity: 345 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>		
				 o20150923094718.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>


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	Notes	
Submerged: Fully		Depth (in): 15	Floating gross solids (litter) in catchbasin.	
Sampling Results				
Sample Location:	Pool	Floatables:	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	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	Minor 1 in.
			Damage:	None



o20141007070512.JPG

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.	
Sampling Results				
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:	Moderate	
Detergents:	-- mg/L	Stains:	Slight	
		Non-illicit:	None	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20120620094656.JPG

2012


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.	
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:	8.15 units	Gross Solids:	Slight	
Temperature:	71 °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



o20111011124148.JPG

































































































2011

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.	
Sampling Results				
Sample Location:		Floatables:	Moderate	
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:	Moderate	
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



o20110526145102.JPG

2011

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 Floatable debris in catchbasin.																															
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>Slight cloudiness</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>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:	Slight cloudiness	Color:	Faint in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	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		
Floatables:	None																																		
Odor:	None																																		
Turbidity:	Slight cloudiness																																		
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																																		
Damage:	None																																		
<table border="1"> <tr><td colspan="2">Sample Location: 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>7.84 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>		Sample Location: Pool		Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.84 units	Temperature:	73 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L			<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				
Sample Location: Pool																																			
Total Chlorine:	0 ppm																																		
Free Chlorine:	0 ppm																																		
Ammonia:	0 ppm																																		
pH:	7.84 units																																		
Temperature:	73 °F																																		
Conductivity:	-- µS/cm																																		
Detergents:	0 mg/L																																		
Condition Assessment																																			
Graffiti:	None																																		
Erosion:	None																																		
Deposition:	None																																		
Damage:	None																																		
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			
																																			

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):



o20190918093208.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: 9/18/2019 10:31:55 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 16-436 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

o20190918093216.JPG

2019

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: 10/24/2018 8:03:14 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 Outfall fully submerged and not located - screened upstream at 16-436 US1. Floating gross solids (litter) in manhole.	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20181024080238.JPG 2018																																		

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 <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. Outfall fully submerged and not physically located. Outfall screened upstream at 16-436 US1.	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
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Color:	None																																					
Gross Solids:	None																																					
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111011115134.JPG 2011																																		

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):																																				
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Sample Location:																																						
Total Chlorine:	-- ppm																																					
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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																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20100825100954.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:

16-436

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918093246.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: 9/18/2019 10:35:41 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 39

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: Brown

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



o20190918093254.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-43

Time Collected: 10:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


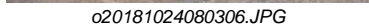
Ammonia (field): 0 ppm


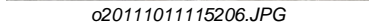
pH (field): 7.25 units


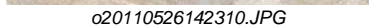
Temperature (field): 74 °F


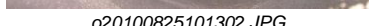
Conductivity (field): 164 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/24/2018 8:05:07 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 50		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;">  <p>Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.</p> </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.34 units	Gross Solids: Moderate			
Temperature 52 °F	Vegetation: None			
Conductivity: 873 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		<div style="text-align: center;">  <p>o20181024080306.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2018</p> </div>		

Inspection Date: 10/11/2011 11:54:56 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results		Notes		
Sample Location: Pool	Floatables: Moderate	<div style="border: 1px solid black; padding: 5px;">  <p>2010 screening follow-up. Floatable debris significantly reduced.</p> </div>		
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			
		<div style="text-align: center;">  <p>o20111011115206.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2011</p> </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		
Submerged: Fully		Depth (in):		
Sampling Results		Notes		
Sample Location: Pool	Floatables: Moderate	<div style="border: 1px solid black; padding: 5px;">  <p>Limited screening conducted to check for floatable debris.</p> </div>		
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			
		<div style="text-align: center;">  <p>o20110526142310.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2011</p> </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		
Submerged: Fully		Depth (in): 37		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;">  <p>Floatable debris in manhole.</p> </div>		
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			
		<div style="text-align: center;">  <p>o20100825101302.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2010</p> </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):



o20191008123556.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.

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 478,815

Easting: 785,375

Latitude/Longitude:

Latitude: 44.03301

Longitude: -88.56701

Location Map



Inspection Date: 11/5/2019 9:36:00 AM Inspector: JCW Inspection Type: Repeat

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 16-533 US1. Follow-up inspection for sampling - limited screening conducted.

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

o20191105093616.JPG

2019

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

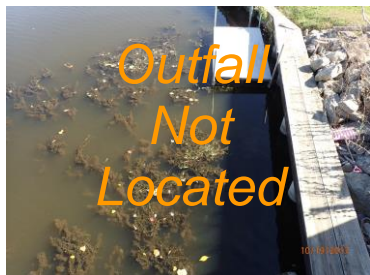
Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/8/2019 1:37:40 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 16-533 US1. Floating gross solids (litter) and detergent in manhole.		
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		
		 o20191008123600.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>		

Inspection Date: 10/24/2018 8:46:55 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not located - screened upstream at 16-533 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:	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		
		 o20181024084514.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>		

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		Notes Outfall fully submerged and not located - screened upstream at 16-533 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 in. Damage: None		
		 o20171019132622.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

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		Notes Outfall fully submerged and not located - screened upstream at 16-533 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 in. Damage: None		
		 o20161018092038.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		


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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not located - screened at 16-533 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		



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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not located - screened upstream at 16-533 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		



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	Notes	
Submerged: Fully Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 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		



o20111011121620.JPG

2011

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	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 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		



o20100826094912.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:

16-1178

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20191008123824.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: 11/5/2019 9:37:43 AM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 38

Illicit Discharge Potential: Unlikely

Notes: Follow-up inspection for sampling - limited screening conducted.

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

o20191105093642.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 191105-11

Time Collected: 09:38

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0 mg/L


Inspection Date: 10/8/2019 1:38:32 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 38		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole. Detergent detected in sample.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.34 units	Gross Solids: Moderate			
Temperature 66 °F	Vegetation: None			
Conductivity: 449 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		



o20191008123830.JPG

2019

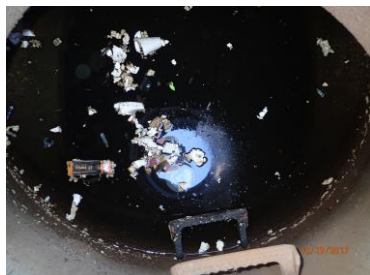
Inspection Date: 10/24/2018 8:51:52 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 46		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.75 units	Gross Solids: Slight			
Temperature 48 °F	Vegetation: None			
Conductivity: 485 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		



o20181024084850.JPG

2018


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		Notes		
Sample Location: Pool	Floatables: Slight	Sample collected from submerged pool in manhole.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.89 units	Gross Solids: Slight			
Temperature 66 °F	Vegetation: None			
Conductivity: 668 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		



o20171019133054.JPG

2017


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		Notes		
Sample Location: Pool	Floatables: None	Potential illicit discharge due to gross solids.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.94 units	Gross Solids: Moderate			
Temperature 63 °F	Vegetation: None			
Conductivity: 482 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		



o20161018092516.JPG

2016


Inspection Date: 9/23/2015 10:32:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in): 36	Floating gross solids (litter) - including syringe - in manhole.	
Sampling Results		Floatables: None	Condition Assessment	
Sample Location:	Pool	Odor: 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: Moderate		
pH:	7.95 units	Vegetation: None		
Temperature	71 °F	Benthic Growth: Slight		
Conductivity:	363 µS/cm	Stains: None		
Detergents:	0 mg/L	Non-illicit: None		



o20150923093204.JPG

2015


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	Notes	
Submerged: Fully		Depth (in): 34	Floating gross solids (litter) in manhole.	
Sampling Results		Floatables: None	Condition Assessment	
Sample Location:	Pool	Odor: 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: Moderate		
pH:	7.67 units	Vegetation: None		
Temperature	-- °F	Benthic Growth: None		
Conductivity:	474 µS/cm	Stains: None		
Detergents:	0 mg/L	Non-illicit: None		



o20141007081140.JPG

2014


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	
Submerged: Fully		Depth (in): 16	2010 screening follow-up. Floatable debris significantly reduced.	
Sampling Results		Floatables: None	Condition Assessment	
Sample Location:	Pool	Odor: 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: Moderate		
pH:	7.9 units	Vegetation: None		
Temperature	70 °F	Benthic Growth: None		
Conductivity:	-- µS/cm	Stains: None		
Detergents:	-- mg/L	Non-illicit: None		



o20111011121924.JPG

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	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results		Floatables: None	Condition Assessment	
Sample Location:		Odor:	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
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		



o20110526143524.JPG

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.	
Submerged: Fully		Depth (in): 36		
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:	7.23 units	Gross Solids:	Moderate	
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	



o20100826095640.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):



o20190918100430.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

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

Inspection Date: 9/18/2019 11:05:33 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 ☐ 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

o20190918100438.JPG

2019

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: 10/24/2018 9:07:36 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 16-594 US1. Floating gross solids (litter) in manhole.	 o20181024090620.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

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.	 o20171017112242.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 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.	 o20161010140356.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: 8/19/2010 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.	 o20100819071708.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:

16-594

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20190918100522.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: 9/18/2019 11:07:43 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 56

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



o20190918100526.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 190918-95

Time Collected: 11:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.27 units


Temperature (field): 74 °F


Conductivity (field): 367 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/24/2018 9:08:57 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 57		
Sampling Results		Notes Sample collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.35 units Temperature: 50 °F Conductivity: 456 µS/cm Detergents: 0 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: None Stains: None Non-illicit: None		 o20181024090720.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>		

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 collected from submerged pool in manhole. Floating gross solids (litter) in manhole.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 6.98 units Temperature: 68 °F Conductivity: 741 µS/cm Detergents: 0 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: None Stains: None Non-illicit: None		 o20171017112318.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>		

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 Potential illicit discharge due to gross solids.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.25 ppm pH: 7.17 units Temperature: 71 °F Conductivity: 831 µS/cm Detergents: 0 mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Floatables: Slight Odor: Easily detected Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		 o20161010140454.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

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 2 small oil drops, likely from Oshkosh Ave runoff.		
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.44 units Temperature: 75 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: Slight Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		 o20100819071738.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>		

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

o20191008134032.JPG

Outfall Notes:

Storm sewer from Fall Creek Ln discharges to south end of detention basin.

County Coordinates:

Northing: 475,039

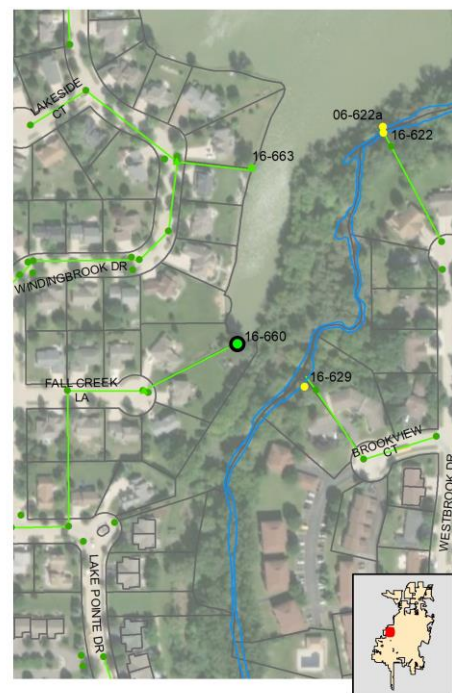
Easting: 779,334

Latitude/Longitude:

Latitude: 44.02263

Longitude: -88.58997

Location Map



Inspection Date: 10/8/2019 2:42:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

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: 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: Minor Depth (in): 3

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

o20191008134040.JPG

2019

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: 10/25/2018 8:13:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 14																																				
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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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20181025081252.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2018</div>																																			

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 <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>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:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Moderate	Non-illicit:	None
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			 o20171003110156.JPG <div style="text-align: right; font-size: 1.5em; 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 <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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Damage:	None																																					
			 o20120530100048.JPG <div style="text-align: right; font-size: 1.5em; 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

o20191008134408.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:** 11/5/2019 2:41:00 PM**Inspector:** JCW**Inspection Type:** Repeat**Previous Rainfall (hrs):** 48-72**Flow Description:** Moderate

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted.

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

o20191105144026.JPG

2019**Sampling Results**

Sample Location: Flow

Sample ID: 191105-65

Time Collected: 14:41

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0.9 mg/L

Physical Condition Assessment


Graffiti: None

Erosion: None

Deposition: None Depth (in):

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


Inspection Date: 10/8/2019 2:44:41 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	Sample collected from flow in manhole. Detergent detected in sample.		
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 65 °F	Vegetation: None			
Conductivity: 943 µS/cm	Benthic Growth: None			
Detergents: 0.5 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20191008134416.JPG

2019


Inspection Date: 10/26/2018 12:20:38 PM		Type: Repeat	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	Detergent detection follow-up. Limited screening conducted beyond sampling.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.83 units	Gross Solids: None			
Temperature 56 °F	Vegetation: None			
Conductivity: 1063 µS/cm	Benthic Growth: None			
Detergents: 0.7 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20181025081632.JPG

2018


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		Notes		
Sample Location: Flow	Floatables: None	Sample collected from flow in manhole. Detergent detected in sample.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.9 units	Gross Solids: None			
Temperature 52 °F	Vegetation: None			
Conductivity: 1037 µS/cm	Benthic Growth: None			
Detergents: 0.35 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20181025081632.JPG

2018


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		Notes		
Sample Location: Flow	Floatables: None	Repeat inspection due to detergent. No detergent detected in manhole sample.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.78 units	Gross Solids: None			
Temperature 61 °F	Vegetation: None			
Conductivity: 926 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20171017085628.JPG

2017


Inspection Date: 10/3/2017 11:12:57 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: None		Depth (in):	Sample collected from flow in manhole. Detergent detected in sample.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location: Flow		Odor:	Graffiti: None	
Total Chlorine: 0 ppm		Turbidity:	Erosion: None	
Free Chlorine: 0 ppm		Color:	Deposition: None in.	
Ammonia: 0 ppm		Gross Solids:	Damage: None	
pH: 8.26 units		Vegetation:		
Temperature: 76 °F		Benthic Growth:		
Conductivity: 845 µS/cm		Stains:		
Detergents: 0.55 mg/L		Non-illicit:		



o20171003110702.JPG

2017

Inspection Date: 5/30/2012 11:04:45 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: None		Depth (in):		
Sampling Results		Floatables:	Condition Assessment	
Sample Location: Flow		Odor:	Graffiti: None	
Total Chlorine: 0 ppm		Turbidity:	Erosion: None	
Free Chlorine: 0 ppm		Color:	Deposition: None in.	
Ammonia: 0 ppm		Gross Solids:	Damage: None	
pH: 8.35 units		Vegetation:		
Temperature: 59 °F		Benthic Growth:		
Conductivity: 1148 µS/cm		Stains:		
Detergents: 0 mg/L		Non-illicit:		



o20120530100806.JPG

2012

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):



o20191008125810.JPG

Outfall Notes:

Storm sewer from Koeller St discharges to stream from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 476,529

Easting: 781,598

Latitude/Longitude:

Latitude: 44.02672

Longitude: -88.58137

Inspection Date: 11/5/2019 8:43:00 AM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Trickle

Submerged: None

Depth (in):

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted.

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

o20191105084324.JPG

2019

Sampling Results

Sample Location: Flow

Sample ID: 191105-63

Time Collected: 08:43

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: 0.8 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

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


Inspection Date: 10/8/2019 1:59:59 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 48-72																																		
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>8.09 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>2640 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.5 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>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:	8.09 units	Temperature:	66 °F	Conductivity:	2640 µS/cm	Detergents:	0.5 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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				 o20191008125814.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>																																		

Inspection Date: 10/26/2018 1:46:37 PM		Type: Repeat	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: KMK																																				
Submerged: None		Depth (in):																																				
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Ammonia:	0 ppm																																					
pH:	8.19 units																																					
Temperature:	56 °F																																					
Conductivity:	3550 µS/cm																																					
Detergents:	0.5 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Detergent detection follow-up. Limited screening conducted beyond sampling.</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																																					
				 o20181025085152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>																																		

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="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>8.22 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> </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>Moderate</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:	8.22 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
Sample Location:	Flow																																					
Total Chlorine:	0 ppm																																					
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Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
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Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Sample collected from pipe flow. Detergent and elevated conductivity 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																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20181025085152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">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="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>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> </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>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:	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
Sample Location:	Flow																																					
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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																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p>Notes</p> <p>Sample collected from pipe flow.</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																																					
				 o20171017102814.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">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		Notes		
Sample Location: Flow		Elevated conductivity, but no other parameters out of range.		
Total Chlorine:	0 ppm	Floatables:	None	
Free Chlorine:	0 ppm	Odor:	Faint	
Ammonia:	0 ppm	Turbidity:	None	
pH:	8.29 units	Color:	None	
Temperature:	64 °F	Gross Solids:	Slight	
Conductivity:	3880 µS/cm	Vegetation:	None	
Detergents:	0 mg/L	Benthic Growth:	Moderate	
		Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	in.
		Damage:	None	



o20161018071712.JPG

2016


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		Notes		
Sample Location:		Flowline wet, but no 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:	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	



o20150928062340.JPG

2015

Inspection Date: 6/6/2012 11:50:55 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow				
Total Chlorine:	0 ppm	Floatables:	Slight	
Free Chlorine:	0 ppm	Odor:	None	
Ammonia:	0 ppm	Turbidity:	None	
pH:	8.1 units	Color:	None	
Temperature:	78 °F	Gross Solids:	Slight	
Conductivity:	5050 µS/cm	Vegetation:	None	
Detergents:	0 mg/L	Benthic Growth:	Moderate	
		Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	in.
		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):



o20191008132848.JPG

Outfall Notes:

Storm sewer from Patriot Ln discharges to swale/dry pond that discharges to wet pond.

County Coordinates:

Northing: 476,252

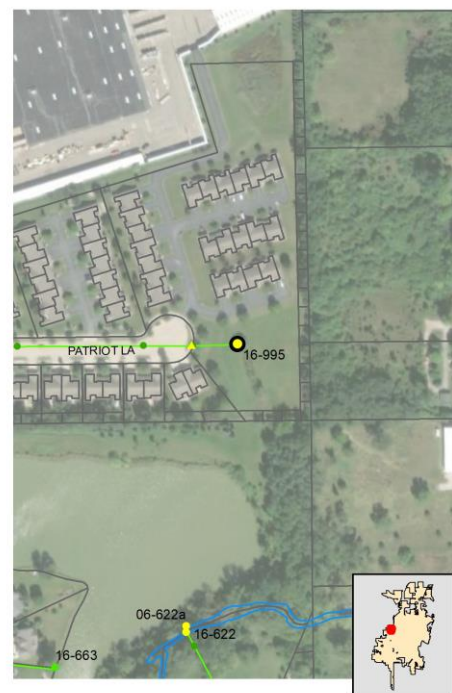
Easting: 779,836

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58806

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

Inspection Date: 10/8/2019 2:29:54 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 18

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: 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



o20191008132854.JPG

2019

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: 10/25/2018 8:27:19 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: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		
		Notes Outfall partially submerged - screened upstream at 16-995 US1. Detergent detected in sample.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20181025082506.JPG <div style="text-align: right; font-size: 1.5em; font-weight: bold;">2018</div>		

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 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 16-995 US1. Detergent detected in sample.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
		 o20171003101614.JPG <div style="text-align: right; font-size: 1.5em; 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 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: Slight Non-illicit: None		
		Notes No flow leaving pool at end of outfall. Deposition in swale downstream. Screened upstream at 16-995 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None		
		 o20120606122140.JPG <div style="text-align: right; font-size: 1.5em; 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):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008133050.JPG

Outfall Notes:

Upstream manhole located approx 112 ft W of outfall 16-995. Intermediate area consists of open space.

County Coordinates:

Northing: 476,251

Easting: 779,723

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58849



Inspection Date: 11/5/2019 3:00:59 PM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Potential

Notes: Follow-up inspection for sampling - limited screening conducted.

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

o20191105145942.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 191105-85

Time Collected: 15:01

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F


Conductivity (field): -- µS/cm

Detergents: 1.3 mg/L


Inspection Date: 10/8/2019 2:32:34 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results		Notes Sample collected from submerged pool in outfall. Detergent detected in sample.		
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: 7.45 units	Gross Solids: None			
Temperature 65 °F	Vegetation: None			
Conductivity: 731 µS/cm	Benthic Growth: None			
Detergents: 1 mg/L	Stains: None			
	Non-illicit: None			


 o20191008133058.JPG
2019


Inspection Date: 10/26/2018 12:12:28 PM		Type: Repeat	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: KMK		
Submerged: Partially		Depth (in):		
Sampling Results		Notes Detergent detection follow-up. Limited screening conducted beyond sampling.		
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: 8.02 units	Gross Solids: None			
Temperature 54 °F	Vegetation: None			
Conductivity: 1143 µS/cm	Benthic Growth: None			
Detergents: 0.85 mg/L	Stains: None			
	Non-illicit: None			


 o20181025082910.JPG
2018


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		Notes Sample collected from submerged pool in outfall. Detergent detected in sample.		
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: 7.86 units	Gross Solids: Slight			
Temperature 50 °F	Vegetation: None			
Conductivity: 1011 µS/cm	Benthic Growth: None			
Detergents: 0.4 mg/L	Stains: None			
	Non-illicit: None			


 o20181025082910.JPG
2018

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		
Sampling Results		Notes Repeat inspection due to detergent. Detergent detected in manhole sample.		
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: None			
Temperature 61 °F	Vegetation: None			
Conductivity: 582 µS/cm	Benthic Growth: None			
Detergents: 0.8 mg/L	Stains: None			
	Non-illicit: None			


 o20171017084622.JPG
2017


Inspection Date: 10/3/2017 10:22:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 3			Sample collected from submerged pool in outfall. Detergent detected in sample.	
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:	7.45 units	Gross Solids:	None	
Temperature:	72 °F	Vegetation:	None	
Conductivity:	333 µS/cm	Benthic Growth:	None	
Detergents:	1.3 mg/L	Stains:	None	
		Non-illicit:	None	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20171003101932.JPG

2017

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	Notes	
Submerged: None Depth (in): 1			Sample collected from pool in manhole. No flow entering either pipe.	
Sampling Results			Condition Assessment	
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	Faint	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.36 units	Gross Solids:	Slight	
Temperature:	69 °F	Vegetation:	None	
Conductivity:	411 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20120606122856.JPG

2012

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):



o20191008130928.JPG

Outfall Notes:

Curb inlet from Washburn St discharges to northeast corner of detention basin.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,346

Easting: 779,977

Latitude/Longitude:

Latitude: 44.03170

Longitude: -88.58753

Location Map



Inspection Date: 10/8/2019 2:11:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

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: 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: Minor Depth (in): 2

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

o20191008130940.JPG

2019

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

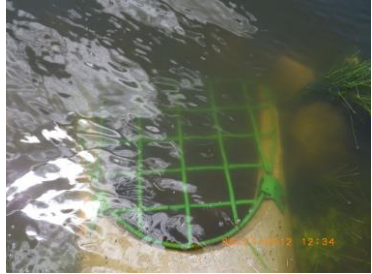
Detergents: -- mg/L

Inspection Date: 10/25/2018 8:41:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results		Notes Outfall partially submerged - screened upstream at 16-1205 US1. Detergent detected in upstream manhole.		
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: Minor 2 in. Damage: None		
		 o20181025083538.JPG 2018		

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		Notes Outfall partially submerged - screened upstream at 16-1205 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: Minor 1 in. Damage: None		
		 o20171003090114.JPG 2017		

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		Notes Outfall partially submerged - screened upstream at 16-1205 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:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161018070408.JPG 2016		

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		Notes Outfall partially submerged - screened at 16-1205 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:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150928053734.JPG 2015		

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																																						
<table border="1"> <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>None</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:	None	pH:	-- units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
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Total Chlorine:	-- ppm	Turbidity:	None																																					
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pH:	-- units	Vegetation:	None																																					
Temperature	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	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 2012																																						

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

o20191008131152.JPG

Outfall Notes:

Upstream curb inlet located approx 36 ft NE of outfall 16-1205. Intermediate area consists of open space.

County Coordinates:

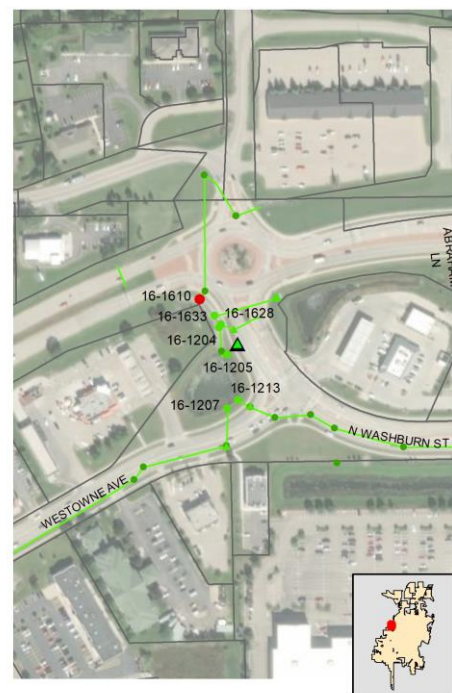
Northing: 478,371

Easting: 780,002

Latitude/Longitude:

Latitude: 44.03177

Longitude: -88.58744

Location Map**Inspection Date:** 10/8/2019 2:18:30 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 48-72**Flow Description:** None

Submerged: None

Depth (in): 19

Illicit Discharge Potential: Potential

Notes: Water below outlet pipe. Sample collected from sump. Detergent detected.

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

o20191008131202.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 101008-46

Time Collected: 14:14

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.64 units


Temperature (field): 66 °F


Conductivity (field): 517 µS/cm


Detergents: 0.6 mg/L


Inspection Date: 10/26/2018 11:48:36 AM		Type: Repeat	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: KMK																																				
Submerged: Partially		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>7.42 units</td></tr> <tr><td>Temperature:</td><td>52 °F</td></tr> <tr><td>Conductivity:</td><td>74 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.5 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.42 units	Temperature:	52 °F	Conductivity:	74 µS/cm	Detergents:	0.5 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																																					
		Notes Detergent detection follow-up. Limited screening conducted beyond sampling.																																				
		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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Damage:	None																																					
				 o20181025083908.JPG 2018																																		

Inspection Date: 10/25/2018 8:41:51 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		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>7.68 units</td></tr> <tr><td>Temperature:</td><td>50 °F</td></tr> <tr><td>Conductivity:</td><td>661 µS/cm</td></tr> <tr><td>Detergents:</td><td>0.55 mg/L</td></tr> </table>		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	<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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		Notes Water below outlet pipe. Sample collected from sump. Detergent detected.																																				
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Deposition:	None in.																																					
Damage:	None																																					
				 o20181025083908.JPG 2018																																		

Inspection Date: 10/3/2017 9:05:51 AM		Type: Ongoing	Flow: None	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>--</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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Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Outlet pipe dry - no sample collected.																																				
		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																																					
				 o20171003090254.JPG 2017																																		

Inspection Date: 10/18/2016 7:08:50 AM		Type: Ongoing	Flow: None	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>--</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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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Water in sump, but no flow entering pipe. No sample collected from sump.																																				
		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																																					
				 o20161018070720.JPG 2016																																		

Inspection Date: 9/28/2015 6:42:48 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> Notes Water level below outlet pipe - no sample collected. 18" of water in sump, 2" of sediment. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>
Submerged: None		Depth (in):		
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </div>		<div style="border: 1px solid black; padding: 5px;"> Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None </div>		
				 <p style="text-align: center;">o20150928054310.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>

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		<div style="border: 1px solid black; padding: 5px;"> Notes Grate could not be removed for sample. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>
Submerged: Fully		Depth (in): 32		
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </div>		<div style="border: 1px solid black; padding: 5px;"> Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None </div>		
				 <p style="text-align: center;">o20120621113808.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">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

o20191105082054.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: 11/5/2019 8:20:00 AM

Inspector: JCW

Inspection Type: Repeat

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 25

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged. Outfall screened upstream at 16-1508 US1. Detergent and ammonia 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

o20191105082100.JPG

2019

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: 10/8/2019 1:50:30 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 25																																				
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>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	Notes Outfall partially submerged. Outfall screened upstream at 16-1508 US1. Detergent and ammonia in manhole.	 o20191008124948.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:	Slight																																					
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: 10/25/2018 9:02:26 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 29																																				
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	Notes Outfall partially submerged - screened upstream at 16-1508 US1. Detergent and ammonia in manhole.	 o20181025090016.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:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

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	Notes Outfall partially submerged - screened upstream at 16-1508 US1.	 o20171017104638.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:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

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	Notes Graffiti on south bridge abutment. Outfall partially submerged - screened upstream at 16-1508 US1.	 o20161018072836.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:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Slight																																					
Non-illicit:	None																																					
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Graffiti:	Moderate																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					


Inspection Date: 9/28/2015 6:56:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 27			Outfall partially submerged - screened at 16-1508 US1. Elevated ammonia.	
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:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	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	Notes	
Submerged: Partially Depth (in): 23			Outfall partially submerged - screened upstream at 16-1508 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:	Moderate		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	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	
Submerged: Partially Depth (in): 28			Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 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:	Moderate		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		



o20130905113702.JPG

2013

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	
Submerged: Partially Depth (in): 15			Construction around outfall. Screened upstream at 16-1508 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	Moderate 9 in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		



o20120927115922.JPG

2012

Inspection Date: 5/30/2012 1:02:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 33		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 16-1508 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:	Slight		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120530120256.JPG

2012

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

o20191105082136.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:

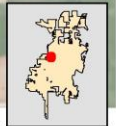
Northing: 477,118

Easting: 782,694

Latitude/Longitude:

Latitude: 44.02834

Longitude: -88.57720

Location Map**Inspection Date:** 11/5/2019 8:21:32 AM**Inspector:** JCW**Inspection Type:** Repeat**Previous Rainfall (hrs):** 48-72**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 34

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged pool in manhole. Detergent and ammonia detections.

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

o20191105082148.JPG

2019**Sampling Results**

Sample Location: Pool

Sample ID: 191105-46

Time Collected: 08:23

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): 1 ppm


pH (field): -- units


Temperature (field): -- °F


Conductivity (field): -- µS/cm





Detergents: 0.5 mg/L


Inspection Date: 10/8/2019 1:52:05 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 34		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 1 ppm pH: 7.76 units Temperature: 66 °F Conductivity: 465 µS/cm Detergents: 0.6 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. Detergent and ammonia detections.	 o20191008125050.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2019</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		


Inspection Date: 10/25/2018 9:04:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 39		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.01 units Temperature: 51 °F Conductivity: 1305 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. Detergent and ammonia detections.	 o20181025090232.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

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.	 o20171017105014.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 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	 o20161018073934.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: 9/28/2015 7:00:26 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Partially Depth (in): 23		Inspector: JCW	Notes Elevated ammonia.	 o20150928060258.JPG 2015
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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 10/7/2014 11:02:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential Submerged: Partially Depth (in): 22		Inspector: JCW	Notes Elevated ammonia. Park restrooms shut down for season.	 o20141007095952.JPG 2014
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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/5/2013 12:37:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: Partially Depth (in): 27		Inspector: JCW	Notes 2012 ammonia detection follow-up.	 o20130905114422.JPG 2013
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.82 units Temperature: 86 °F Conductivity: 754 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Inspection Date: 9/27/2012 12:51:46 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Partially Depth (in): 9		Inspector: JCW	Notes Ammonia detection follow-up.	 o20120927115358.JPG 2012
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 7.8 units Temperature: 65 °F Conductivity: 1408 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

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.																	
Submerged: Partially Depth (in):			 <p style="text-align: center;">o20120606102704.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>																	
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: None</td> </tr> <tr> <td>pH: 8.21 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 72 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 1088 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: None	pH: 8.21 units	Gross Solids: None	Temperature: 72 °F	Vegetation: None	Conductivity: 1088 µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: None	
Sample Location: Pool	Floatables: None																			
Total Chlorine: 0 ppm	Odor: None																			
Free Chlorine: 0 ppm	Turbidity: None																			
Ammonia: 0 ppm	Color: None																			
pH: 8.21 units	Gross Solids: None																			
Temperature: 72 °F	Vegetation: None																			
Conductivity: 1088 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 style="width:50%;">Graffiti: None</td> <td style="width:50%;"></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>		Graffiti: None		Erosion: None		Deposition: None	in.	Damage: None									
Graffiti: None																				
Erosion: None																				
Deposition: None	in.																			
Damage: None																				

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			 <p style="text-align: center;">o20120530121440.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2012</p>																	
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: 1 ppm</td> <td>Color: None</td> </tr> <tr> <td>pH: 7.9 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 64 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 1097 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: 1 ppm	Color: None	pH: 7.9 units	Gross Solids: None	Temperature: 64 °F	Vegetation: None	Conductivity: 1097 µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: None	
Sample Location: Pool	Floatables: None																			
Total Chlorine: 0 ppm	Odor: None																			
Free Chlorine: 0 ppm	Turbidity: None																			
Ammonia: 1 ppm	Color: None																			
pH: 7.9 units	Gross Solids: None																			
Temperature: 64 °F	Vegetation: None																			
Conductivity: 1097 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 style="width:50%;">Graffiti: None</td> <td style="width:50%;"></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>		Graffiti: None		Erosion: None		Deposition: None	in.	Damage: None									
Graffiti: None																				
Erosion: None																				
Deposition: None	in.																			
Damage: None																				

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): 47

Width (in): 76

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20191008131912.JPG

Outfall Notes:

Riprap swale discharges to STH 21 storm sewer.
Screened at pipe apron.

County Coordinates:

Northing: 478,482

Easting: 779,912

Latitude/Longitude:

Latitude: 44.03208

Longitude: -88.58778

Location Map



Inspection Date: 10/8/2019 2:21:14 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Apron submerged, but no upstream flow observed. Sampled from STH 21 apron pool.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20191008131926.JPG

2019

Sampling Results

Sample Location: Pool

Sample ID: 101008-63

Time Collected: 14:22

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.34 units

Temperature (field): 66 °F

Conductivity (field): 1227 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/21/2012 12:59:23 PM		Type: Ongoing	Flow: Submerged, no flow	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 12		
Sampling Results		Notes Apron submerged, but no upstream flow observed.		
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: Minor 3 in. Damage: None		



o20120621120240.JPG

2012

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



Omni
ASSOCIATES

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



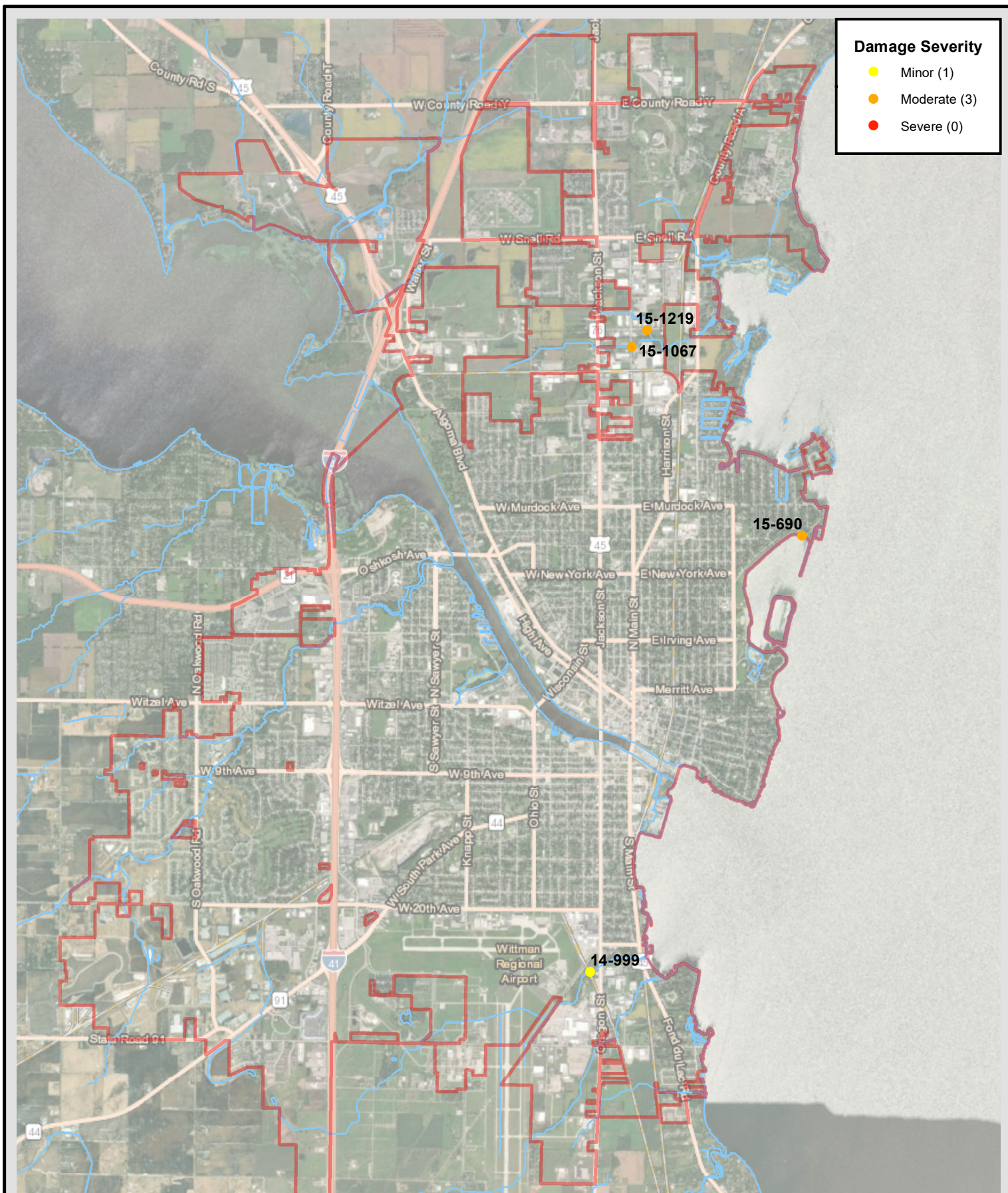
2019 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH POTENTIAL
ILLICIT DISCHARGES

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/20/2019

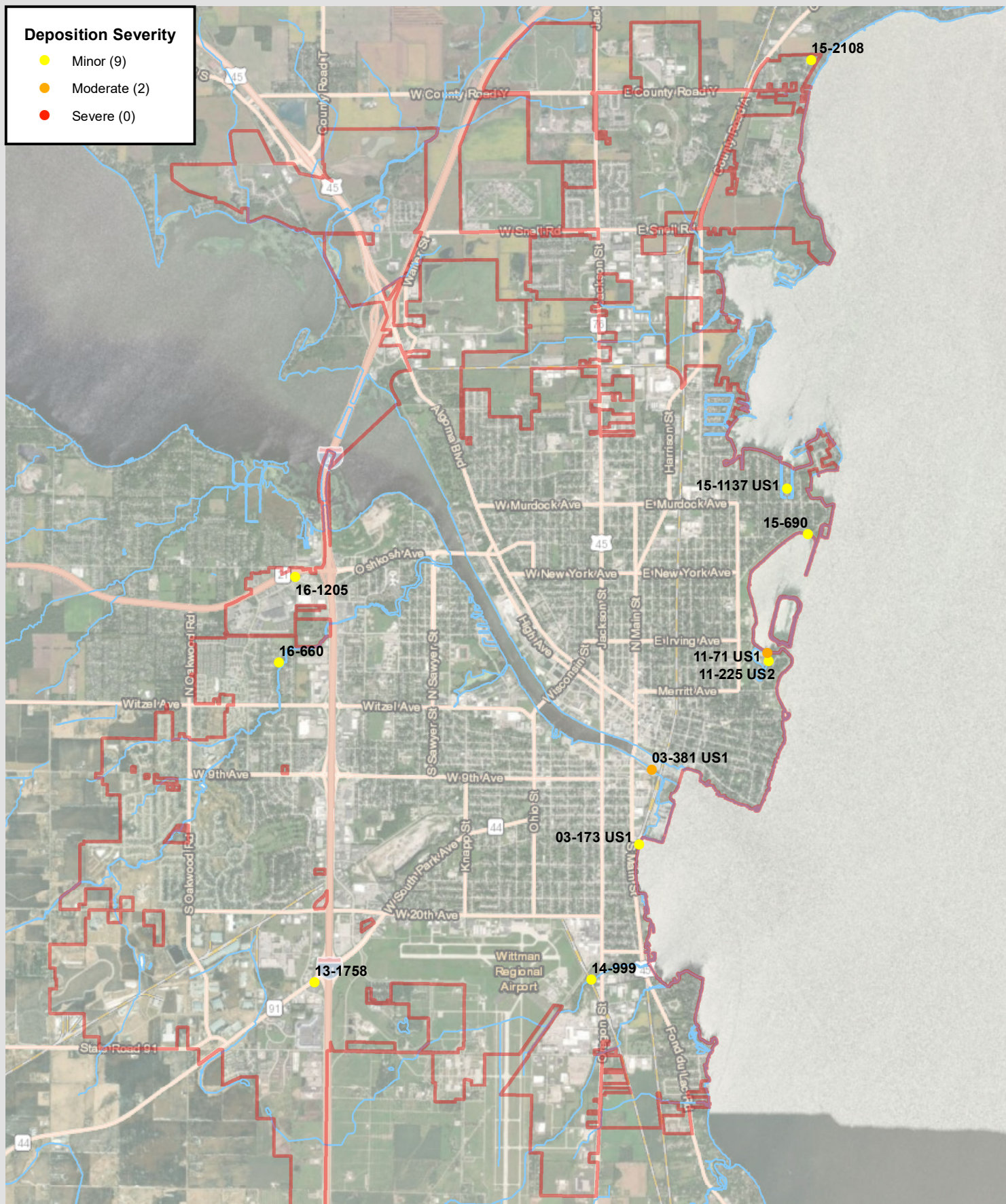
SCALE:
1" = 5,047'
PROJECT NO.
N2029C19
FIGURE NO.
C-1



 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2019 IDDE ONGOING SCREENING PROGRAM</p> <p>OUTFALLS WITH DAMAGE</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>Date: 12/20/2019</p>	<p>PROJECT NO. N2029C19</p> <p>FIGURE NO. C-2</p>

Deposition Severity

- Minor (9)
- Moderate (2)
- Severe (0)



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



2019 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DEPOSITION

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

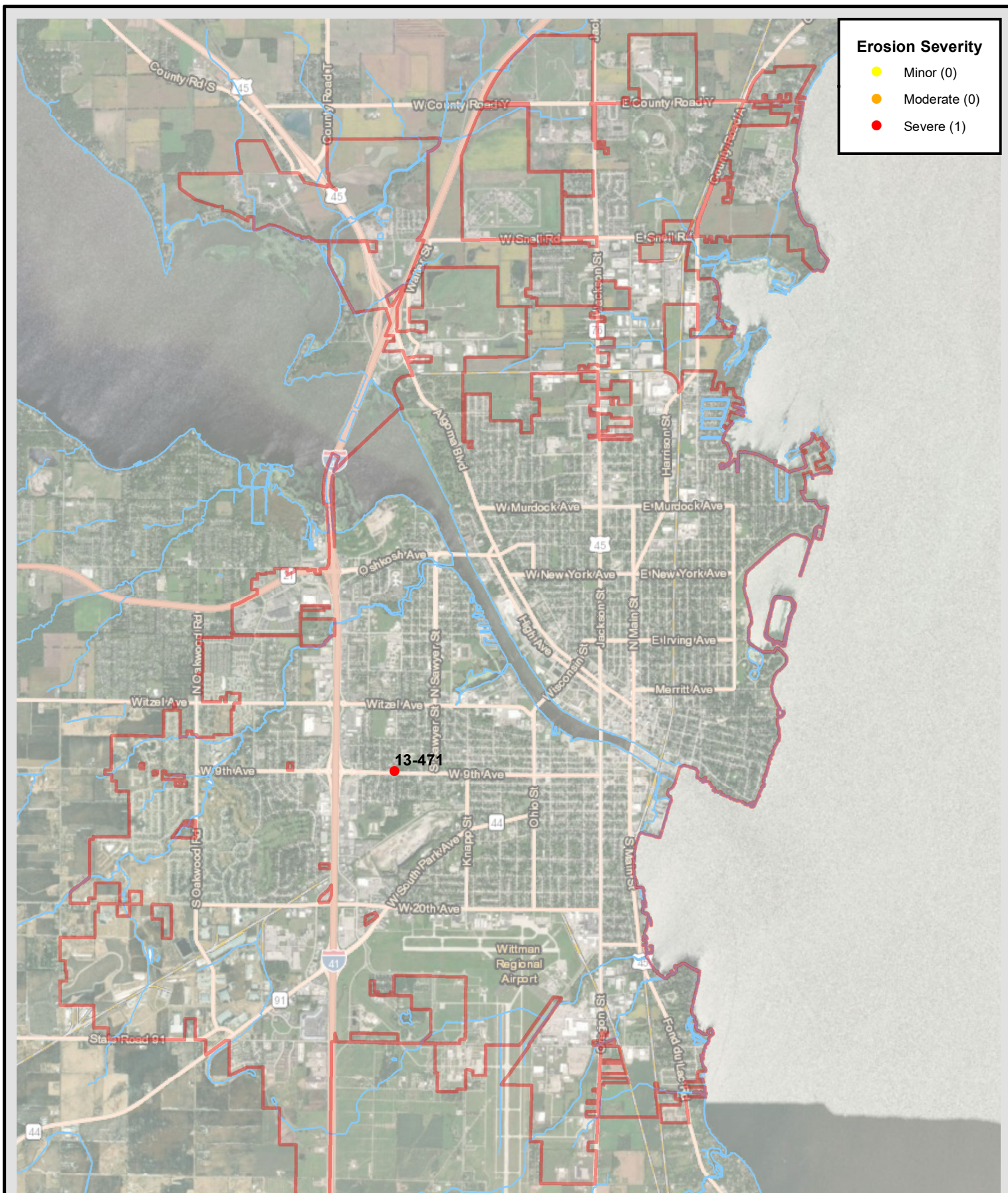
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/27/2019

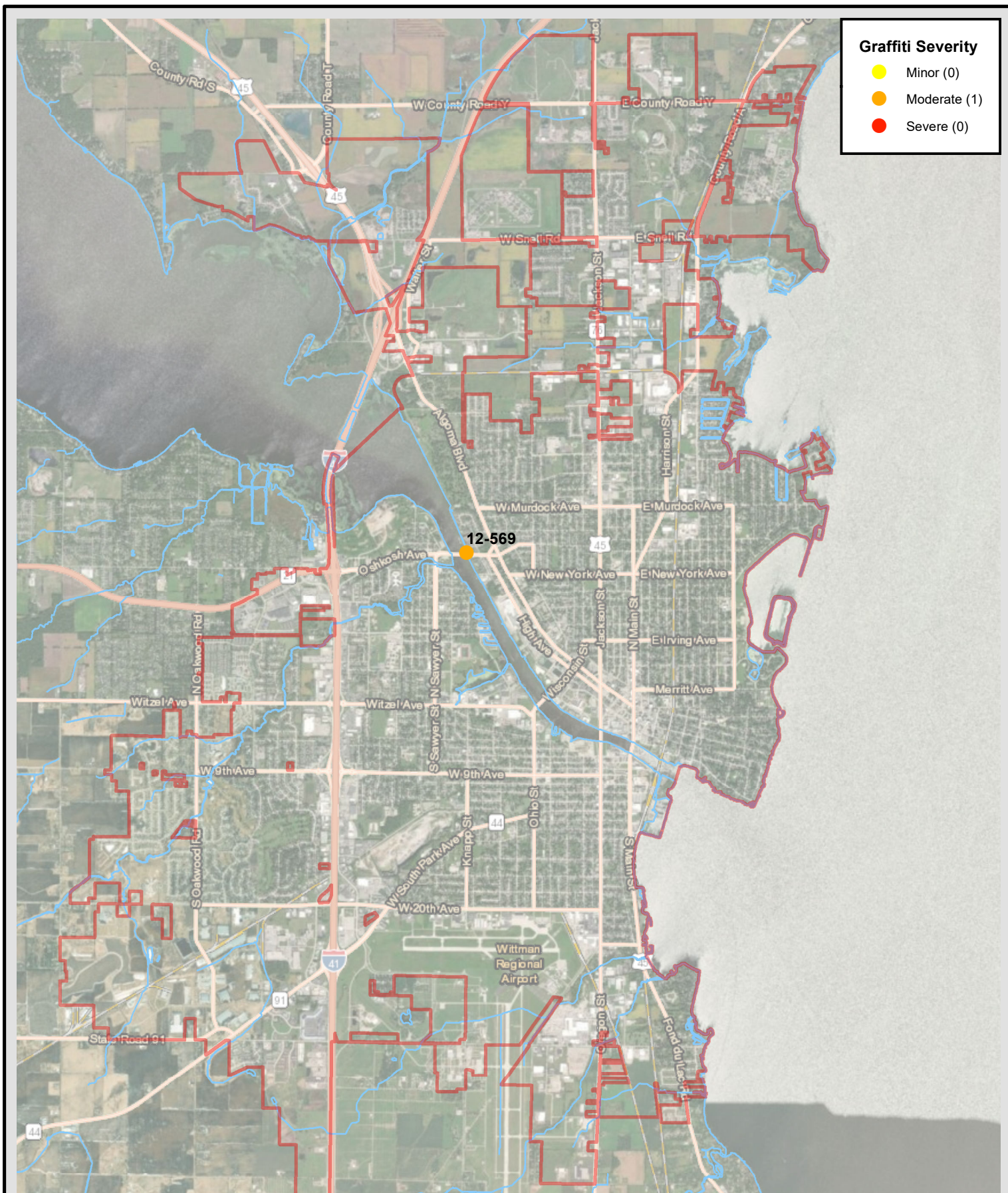
SCALE:
1" = 7,000'

PROJECT NO.
N2029C19

FIGURE NO.
C-3



 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2019 IDDE ONGOING SCREENING PROGRAM</p> <p>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>Date: 12/20/2019</p>	<p>PROJECT NO. N2029C19</p> <p>FIGURE NO. C-4</p>

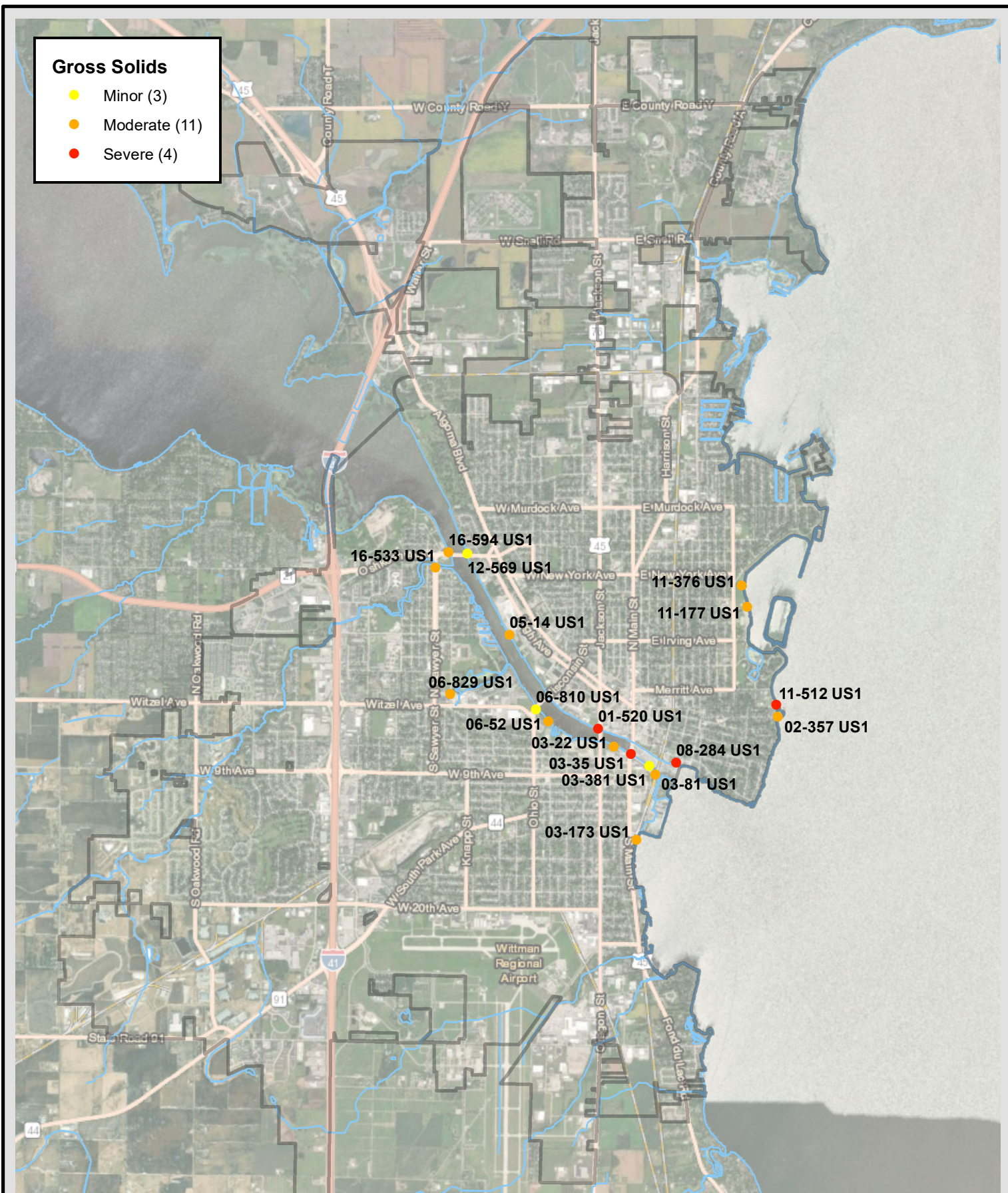


 ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100		2019 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH GRAFFITI CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN	Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 7,000'
			Date: 12/20/2019	PROJECT NO. N2029C19 FIGURE NO. C-5

Appendix D















































Additional Information for Outfalls with Potential Illicit Discharges


























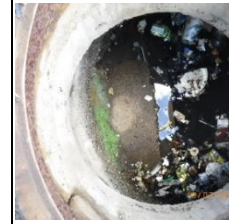















Upstream Manholes with Significant Floatable Debris
Area Maps for Outfalls with Potential Illicit Discharges















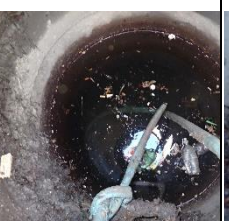

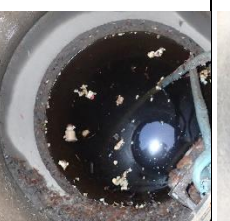








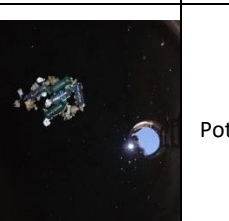



























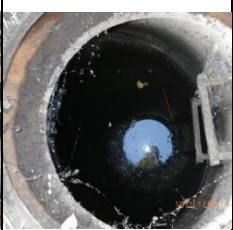
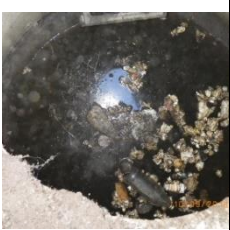

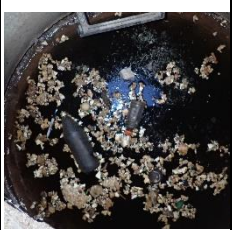

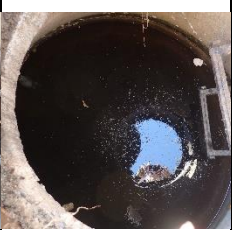



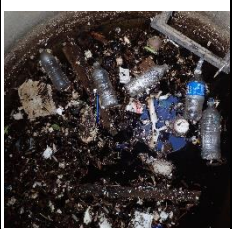


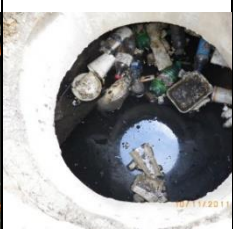


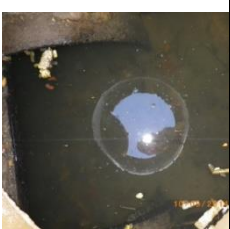
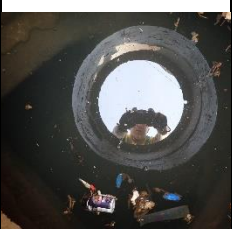
<p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p>2019 IDDE ONGOING SCREENING PROGRAM</p> <p>MANHOLES WITH FLOATABLE GROSS SOLIDS</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p>	<p>SCALE: 1" = 5,047'</p>
			<p>Date: 12/20/2019</p>	<p>PROJECT NO. N2029C19</p> <p>FIGURE NO. D-1</p>

























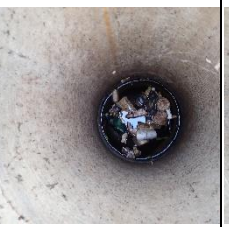


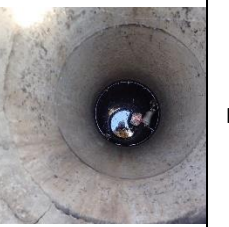

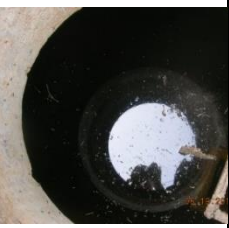





Table 1 - History of manholes with significant gross solids











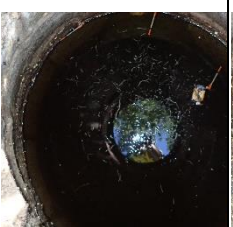
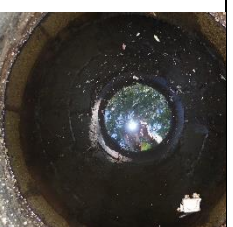



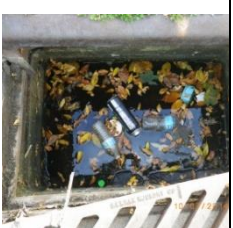










Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
01-132 US1 (01-132)													
01-520 US1 (01-520)													Potential
01-642 US1 (01-642)													
02-309 US1 (02-309)													Unlikely
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)	2019 Ongoing Screening (Sept-Oct 2019)	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	Screened at US1	
03-381 US1 (03-381)												Photo not available	Potential
05-14 US1 (05-14)													Potential

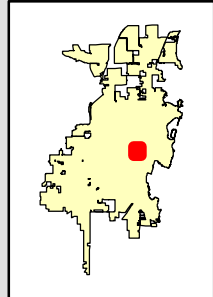
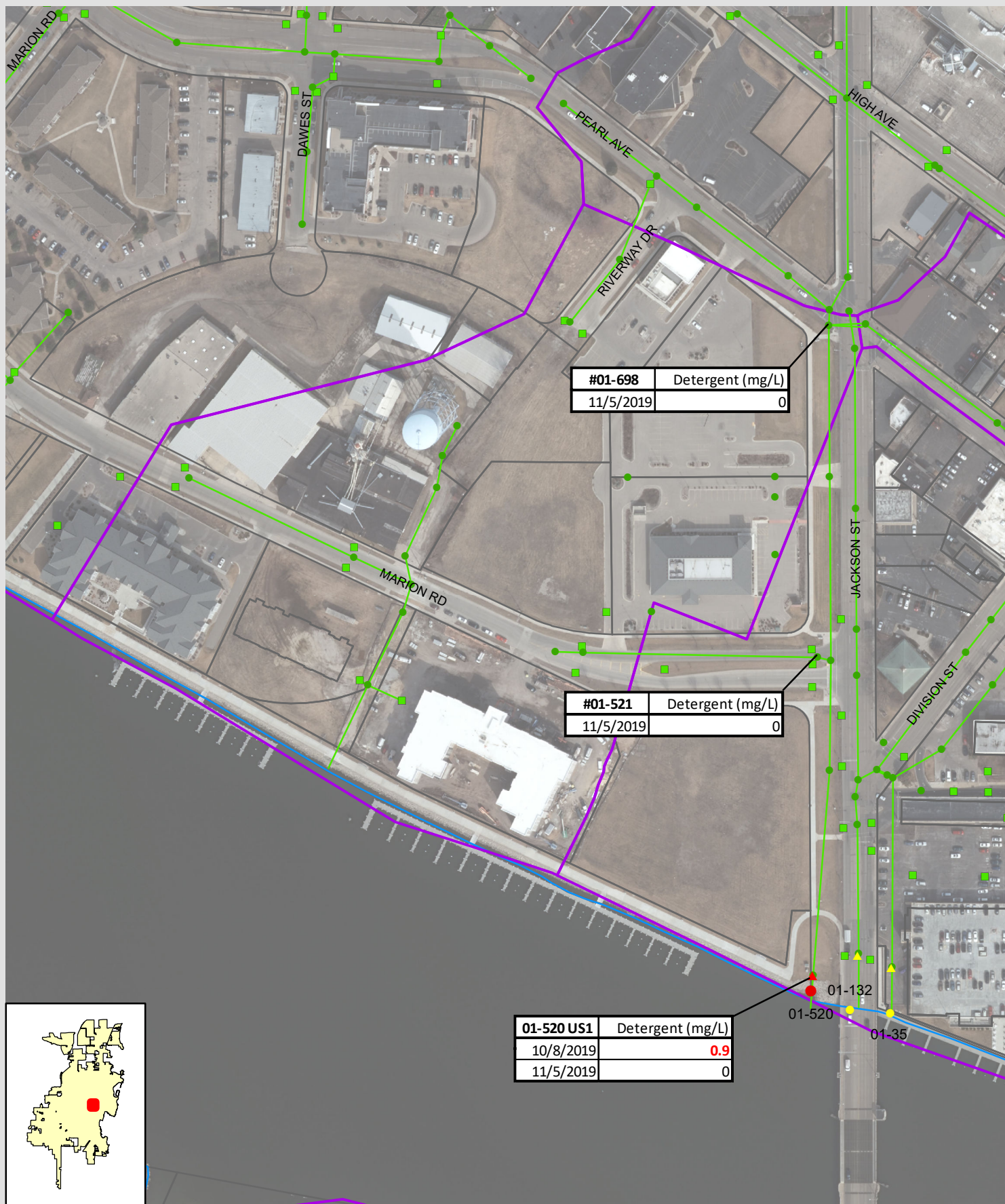
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2018 Ongoing Screening (October 2018)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
05-264 US1 (05-264)													
06-52 US1 (06-52)													Potential
06-221 US1 (06-221)													Unlikely
06-560 US1 (06-560)		(outfall removed and replaced with outfall 06-2241)											
06-810 US1 (06-810)													Potential
06-829 US1 (06-831)													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)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
06-1028 US1 (06-1028)													
06-1694 US1 (06-1694)													
08-284 US1 (08-284)													Potential
08-347 US1 (08-347)													Unlikely
08-364 US1 (08-364)										(not screened due to construction)			
09-101c US1 (09-47)												Screened at outfall	

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)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
11-177 US1 (11-177)													Potential
11-376 US1 (11-376)													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)													

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)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
14-1075 US1 (14-1075)													
15-636 US1 (15-2650)													
16-28 US1 (16-28)													
16-71 US1 (16-71)													
16-142 US1													Unlikely
16-201 US1													

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)	2019 Ongoing Screening (Sept-Oct 2019)	2018 IDDE Potential
16-396 US1 (16-396)							(Behind locked fence – manhole not screened)						
16-436 US1 (16-436)							(Behind locked fence – manhole not screened)						Unlikely
16-463 US1													
16-533 US1 (16-533)													Potential
16-551 US1 (16-551)													
16-594 US1 (16-594)													Potential



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



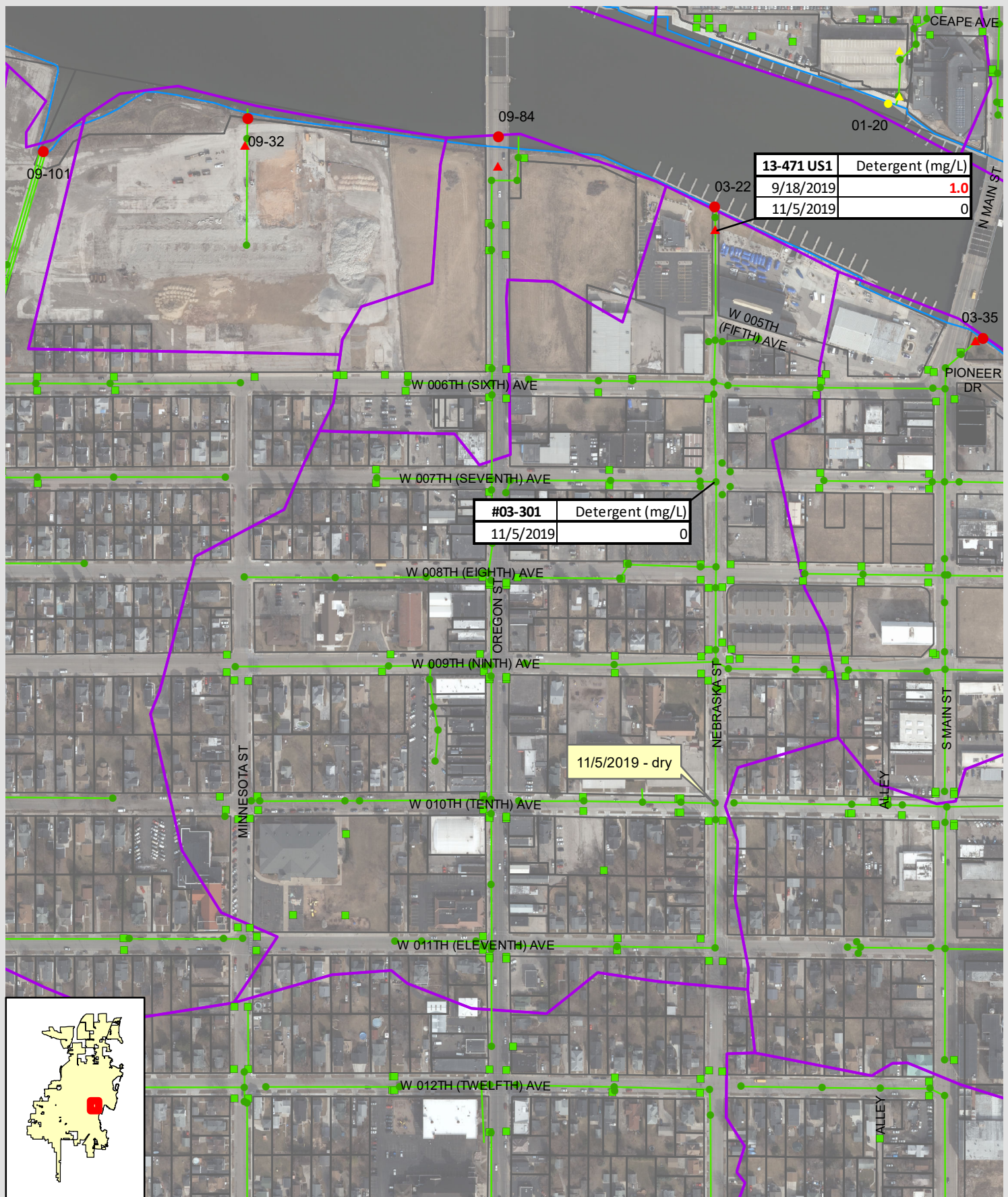
2019 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 01-520

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/31/2019

SCALE:
1" = 208'
PROJECT NO.
N2029C19
FIGURE NO.
D-2



13-471 US1	Detergent (mg/L)
9/18/2019	1.0
11/5/2019	0

#03-301	Detergent (mg/L)
11/5/2019	0

11/5/2019 - dry

Omni
ASSOCIATES

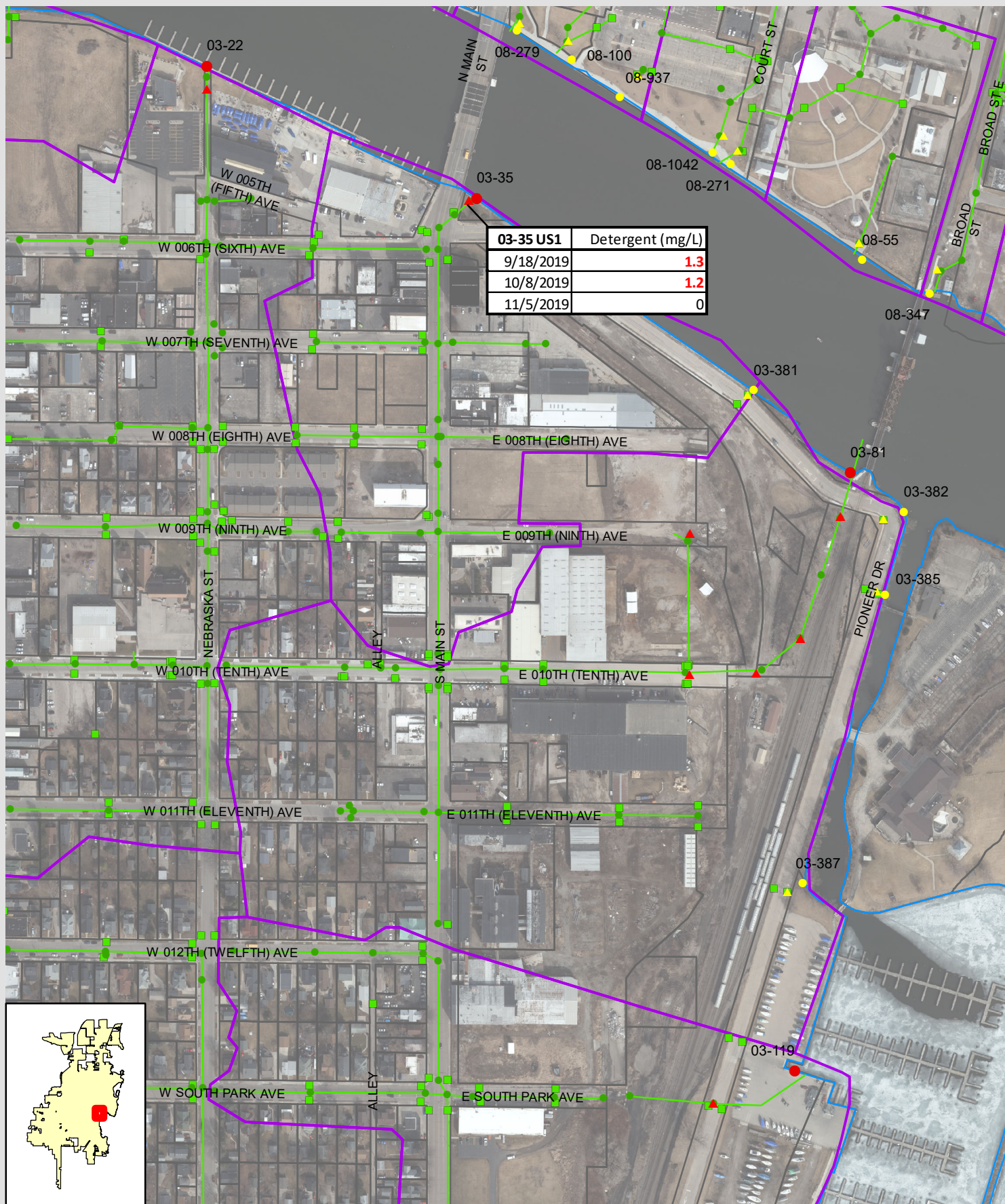
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-22

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW	SCALE: 1" = 333'
Project Engineer: JCW	PROJECT NO. N2029C19
Drawn By: JCW	FIGURE NO. D-3
Checked By: BDW	
Date: 12/31/2019	



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



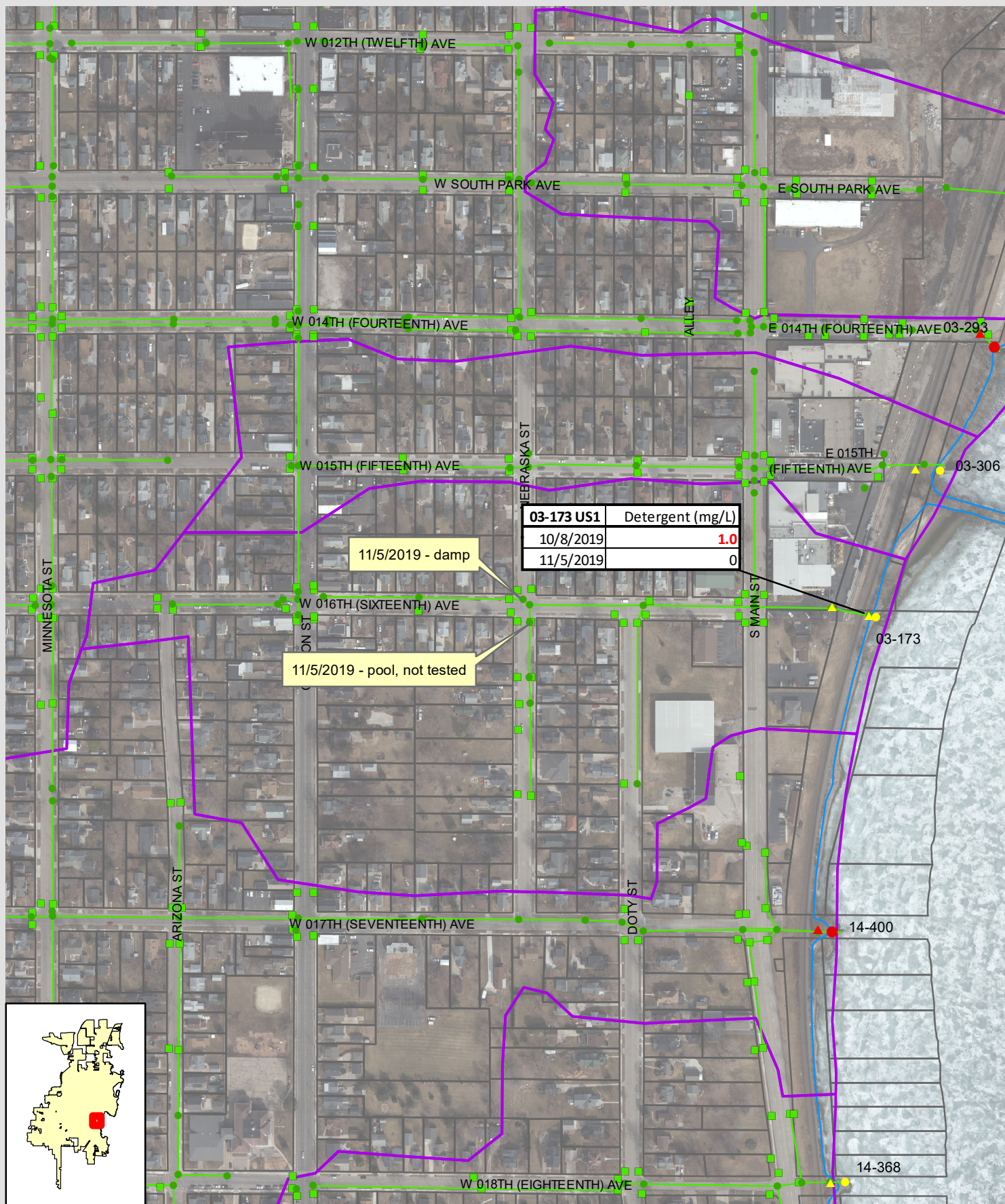
2019 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 03-35

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/11/2019

SCALE:
1" = 333'
PROJECT NO.
N2029C19
FIGURE NO.
D-4



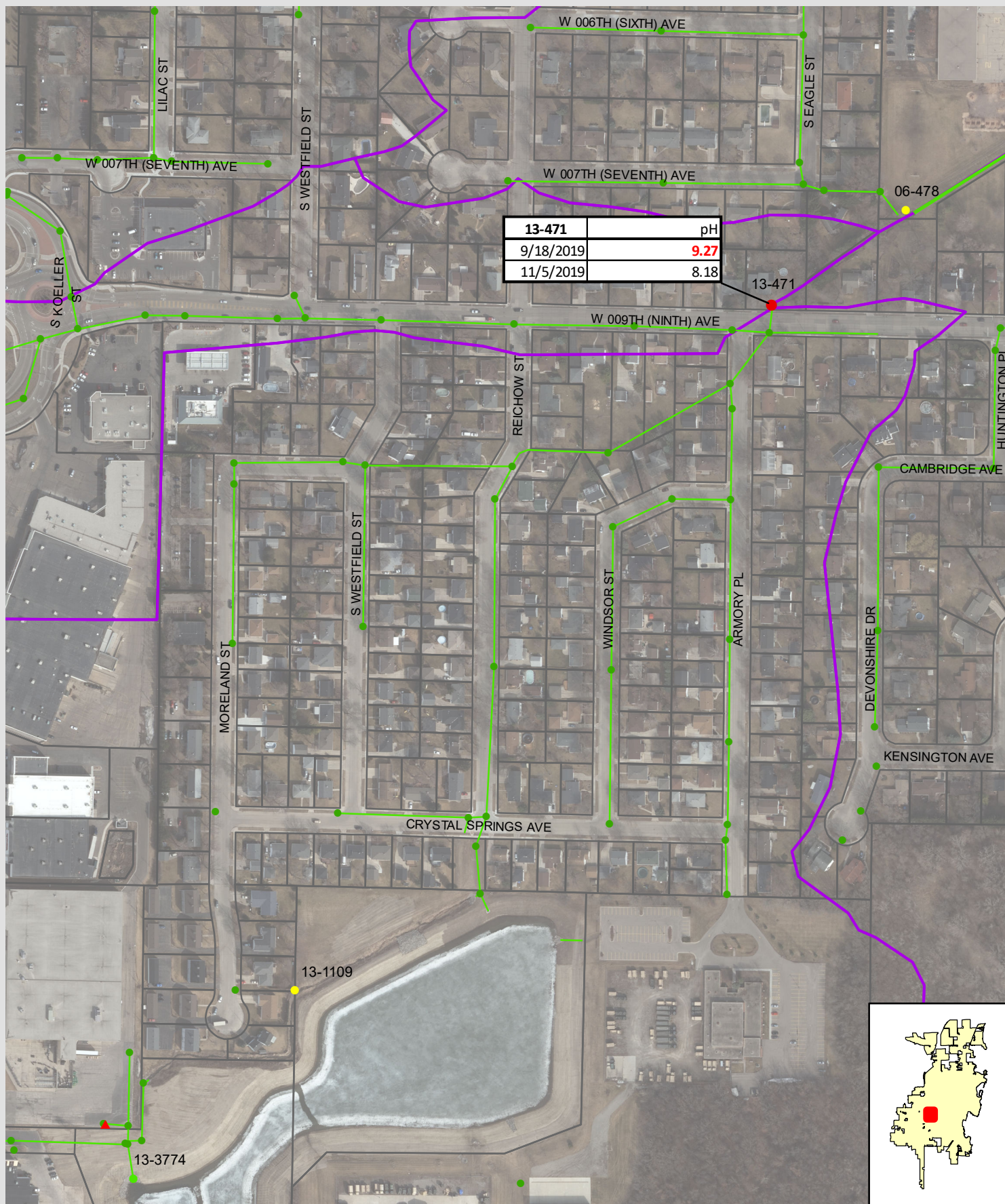
2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-173

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/31/2019

SCALE:
1" = 333'
PROJECT NO.
N2029C19
FIGURE NO.
D-5



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



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 13-471

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

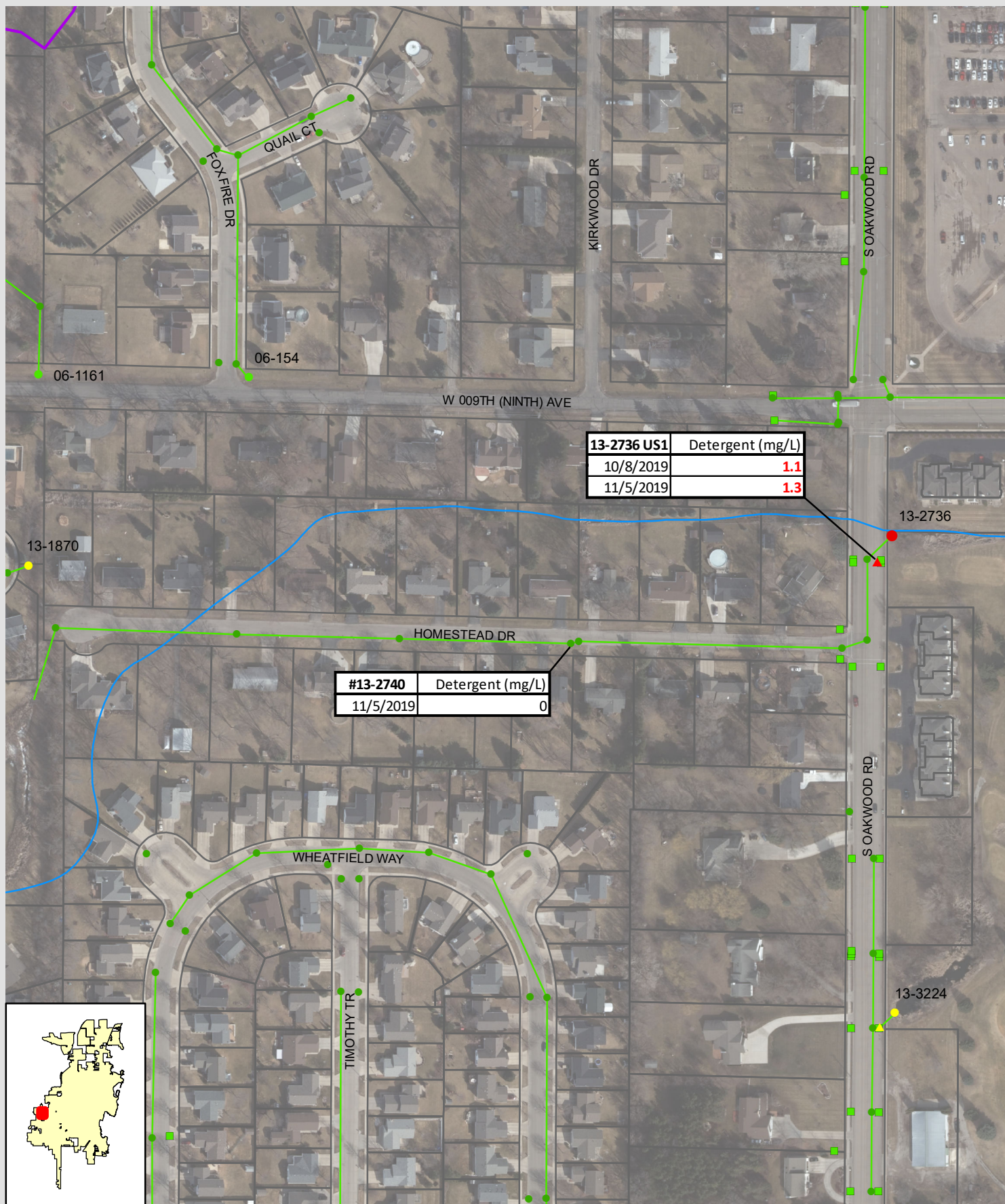
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 11/11/2019

SCALE:
 1" = 299'

PROJECT NO.
N2029C19

FIGURE NO.
D-6



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



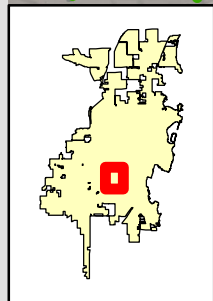
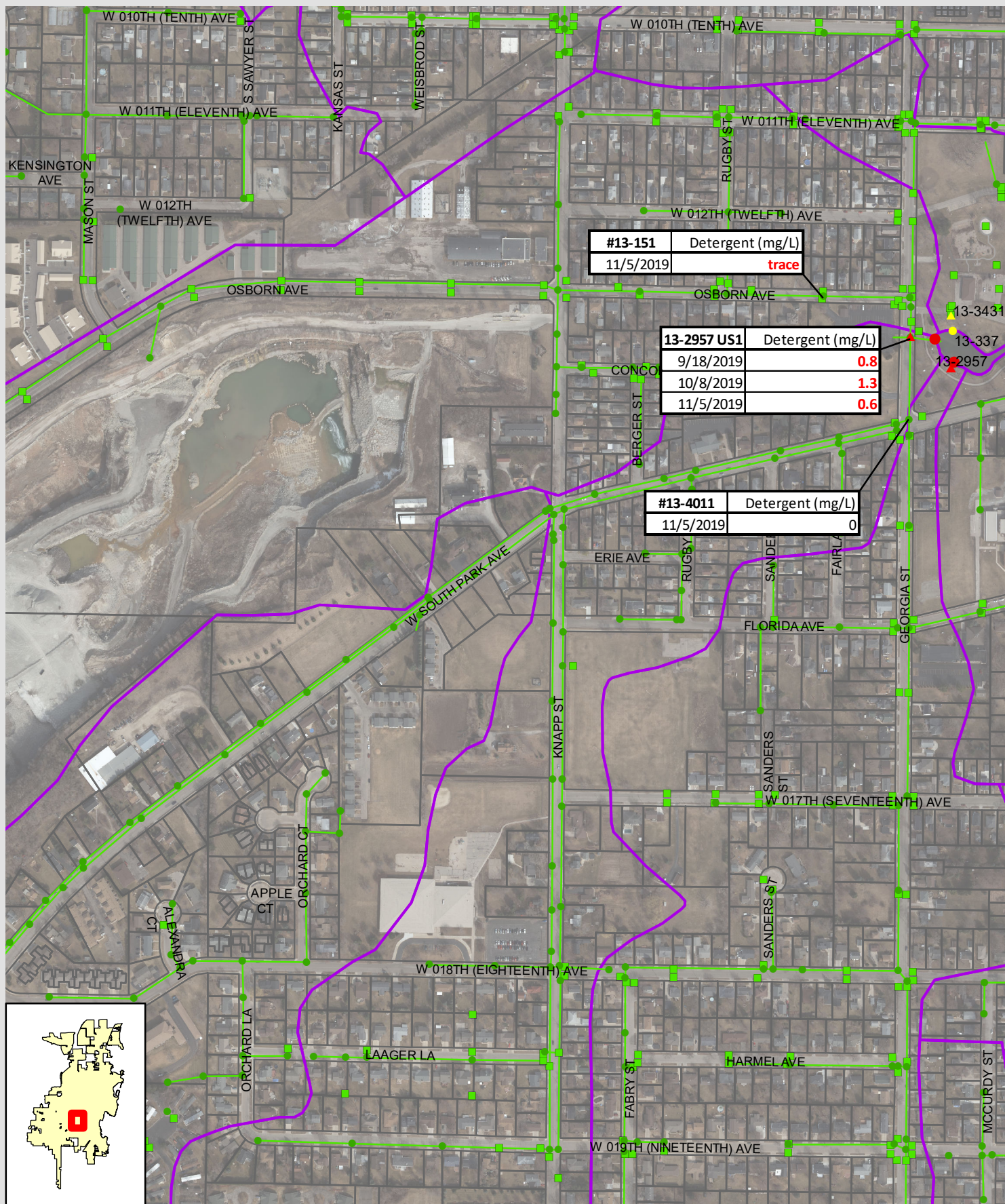
2019 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 13-2736

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 214'
PROJECT NO.
N2029C19
FIGURE NO.
D-8



Omni
ASSOCIATES

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



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 13-2957

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

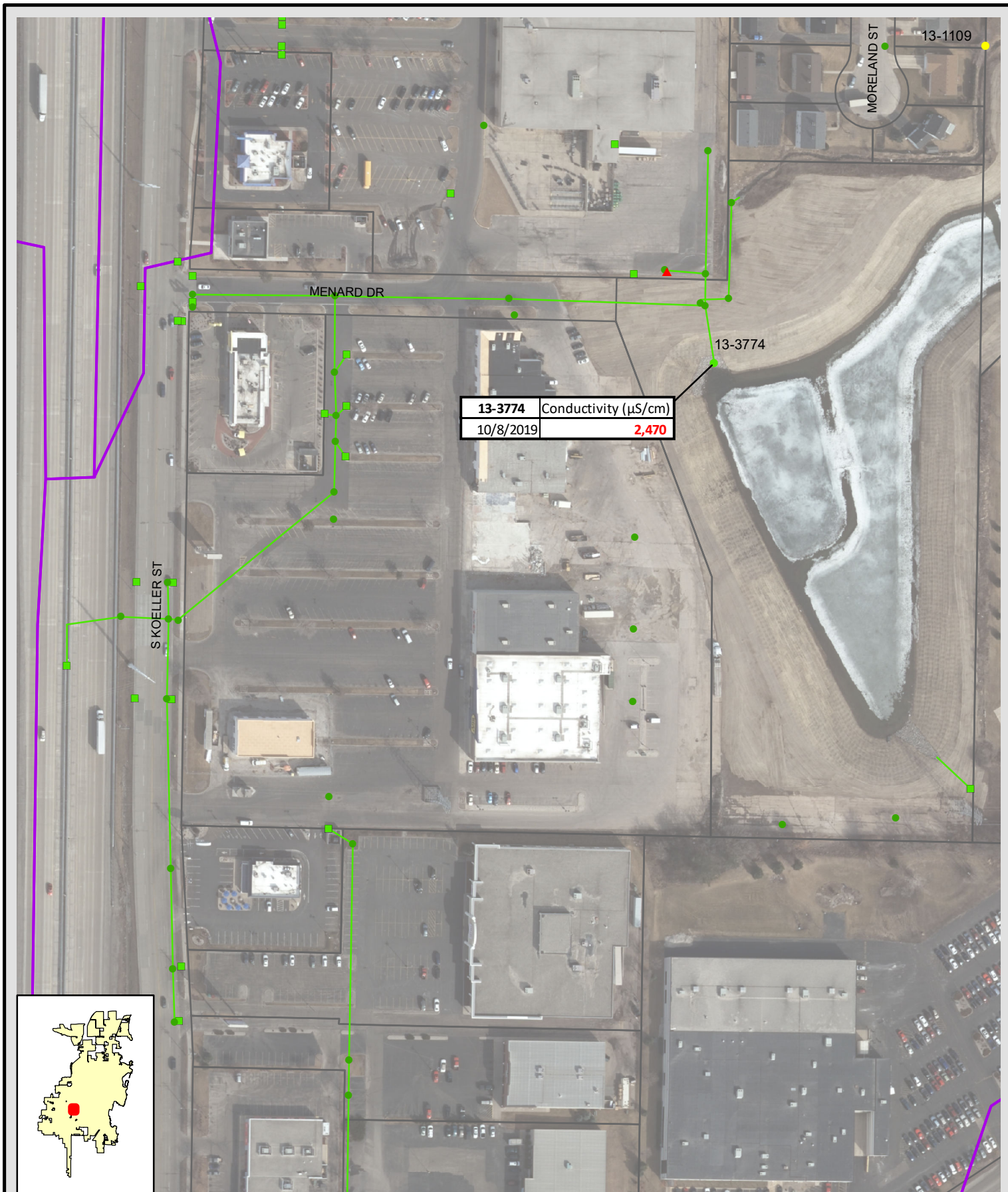
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/31/2019

SCALE:
1" = 498'

PROJECT NO.
N2029C19

FIGURE NO.
D-9



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



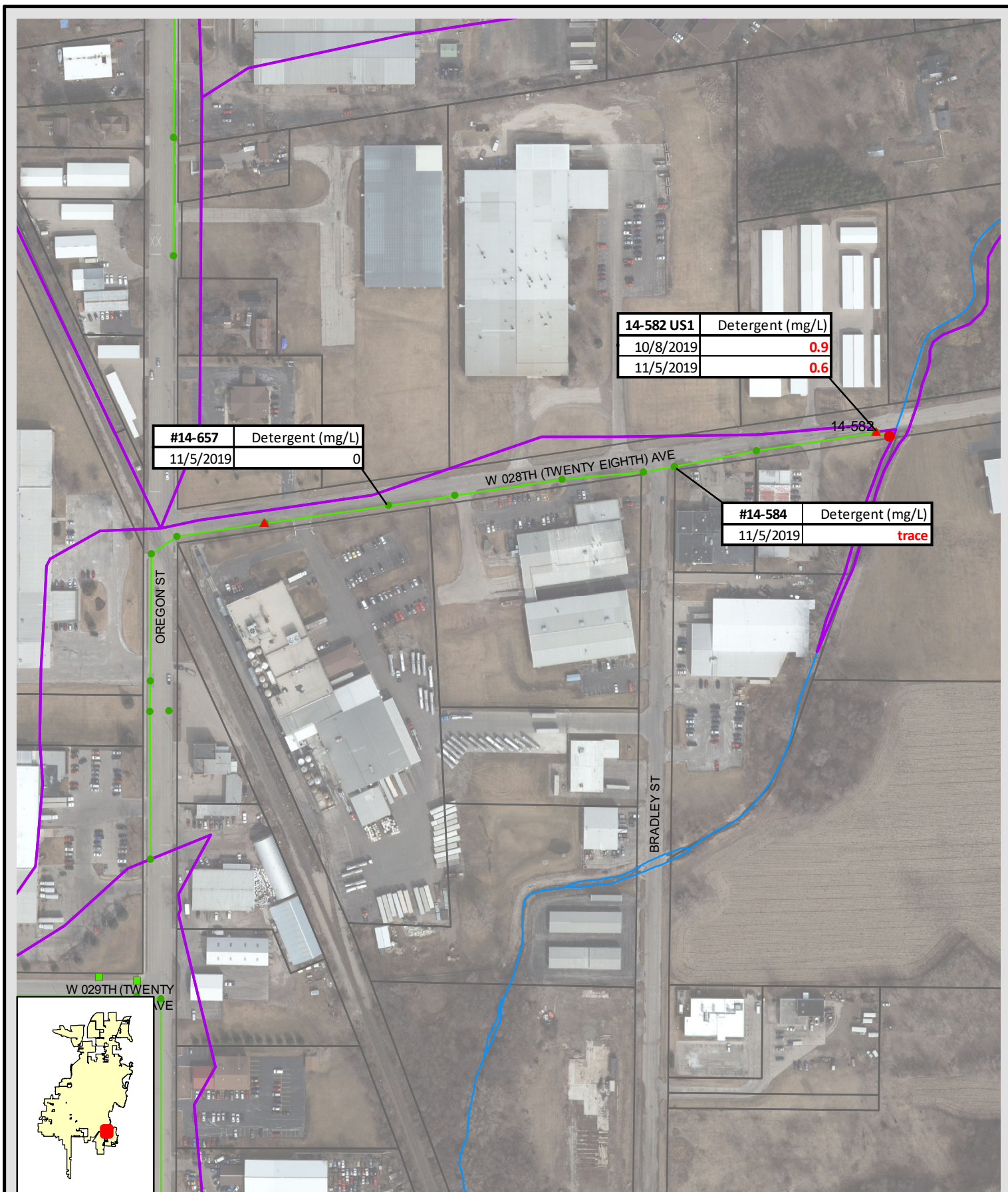
2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 13-3774

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/31/2019

SCALE:
1" = 175'
PROJECT NO.
N2029C19
FIGURE NO.
D-10



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



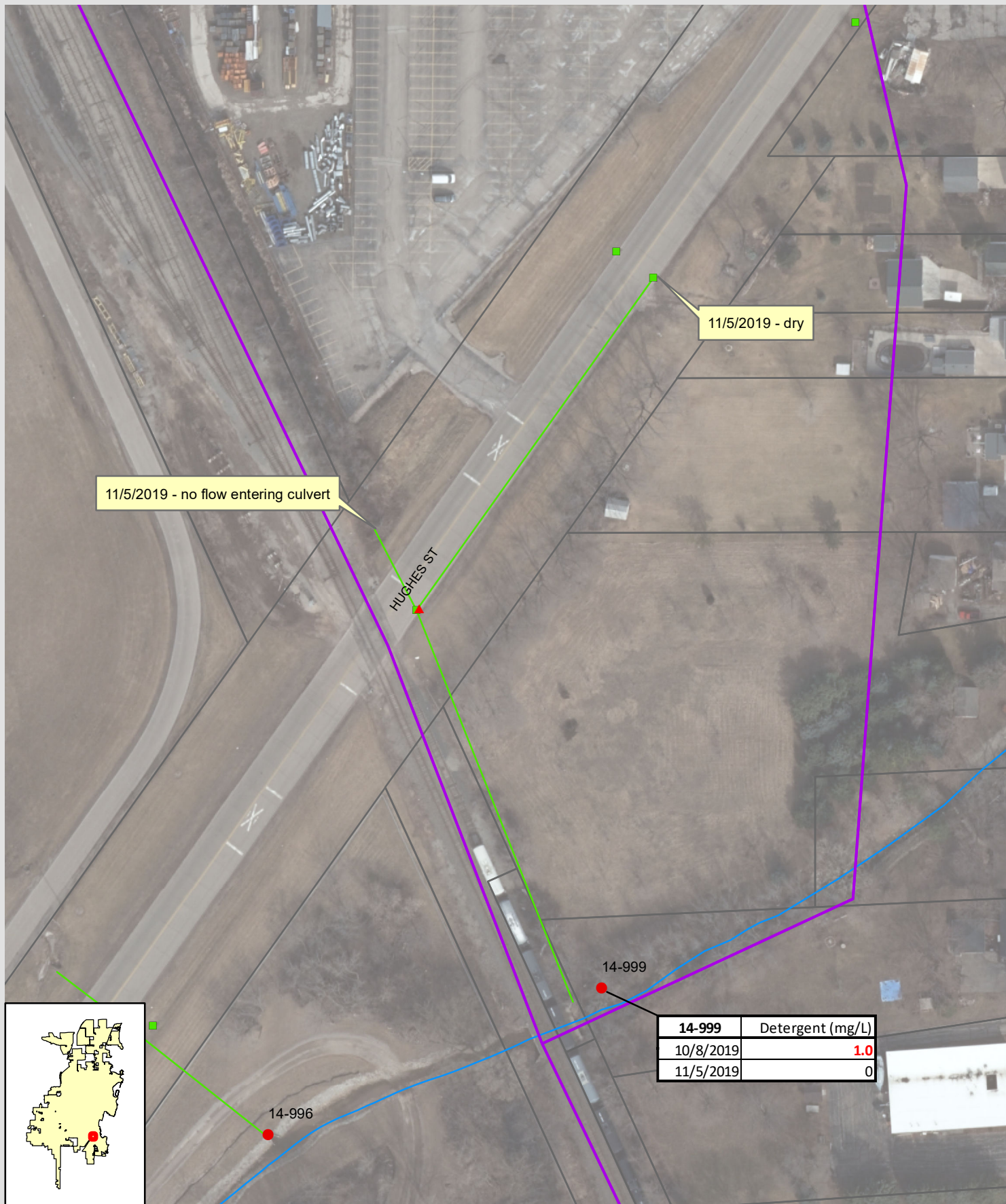
2019 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 14-582

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 12/31/2019

SCALE:
1" = 250'
PROJECT NO.
N2029C19
FIGURE NO.
D-11



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



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 14-999

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

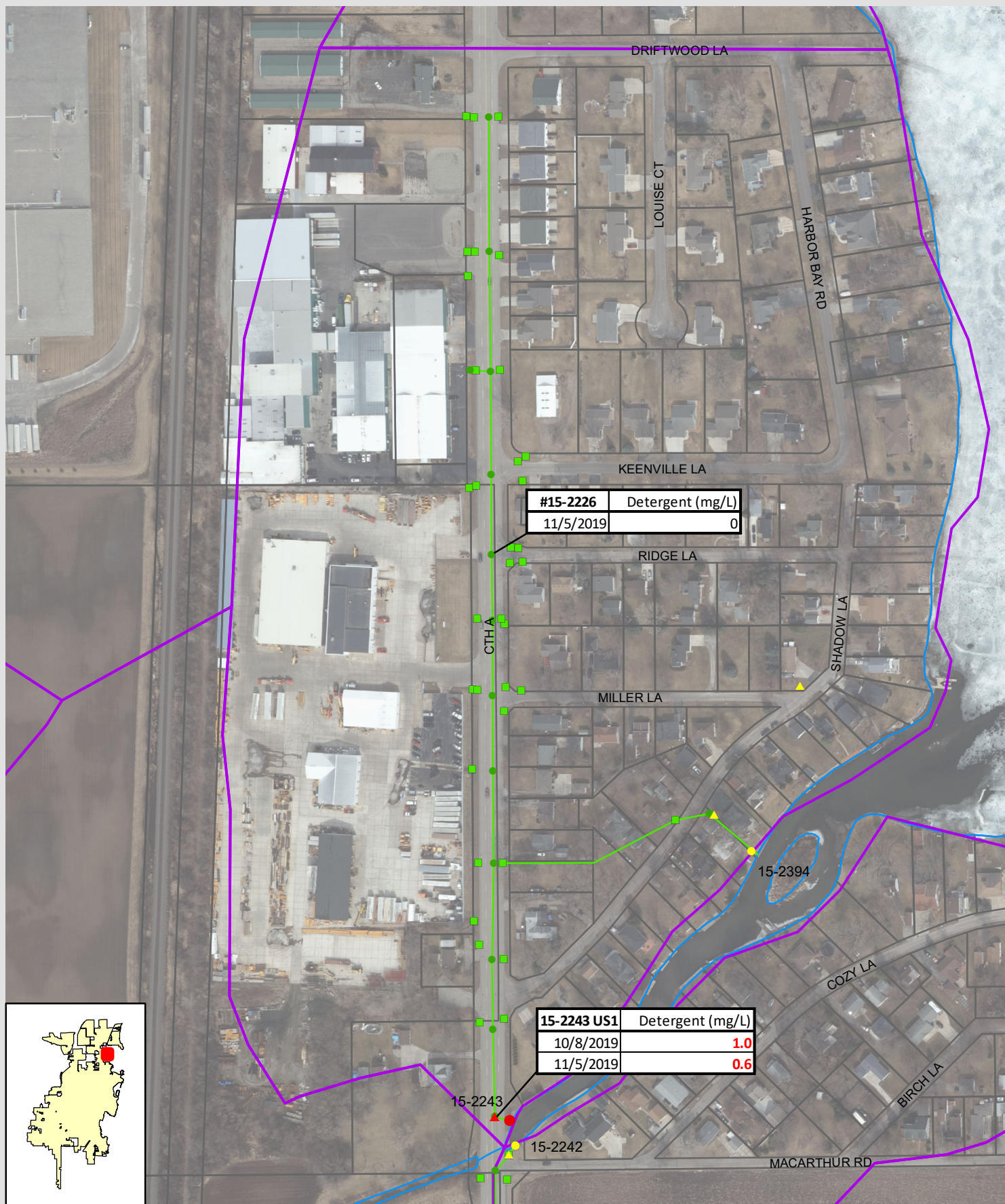
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/11/2019

SCALE:
1" = 100'

PROJECT NO.
N2029C19

FIGURE NO.
D-12



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



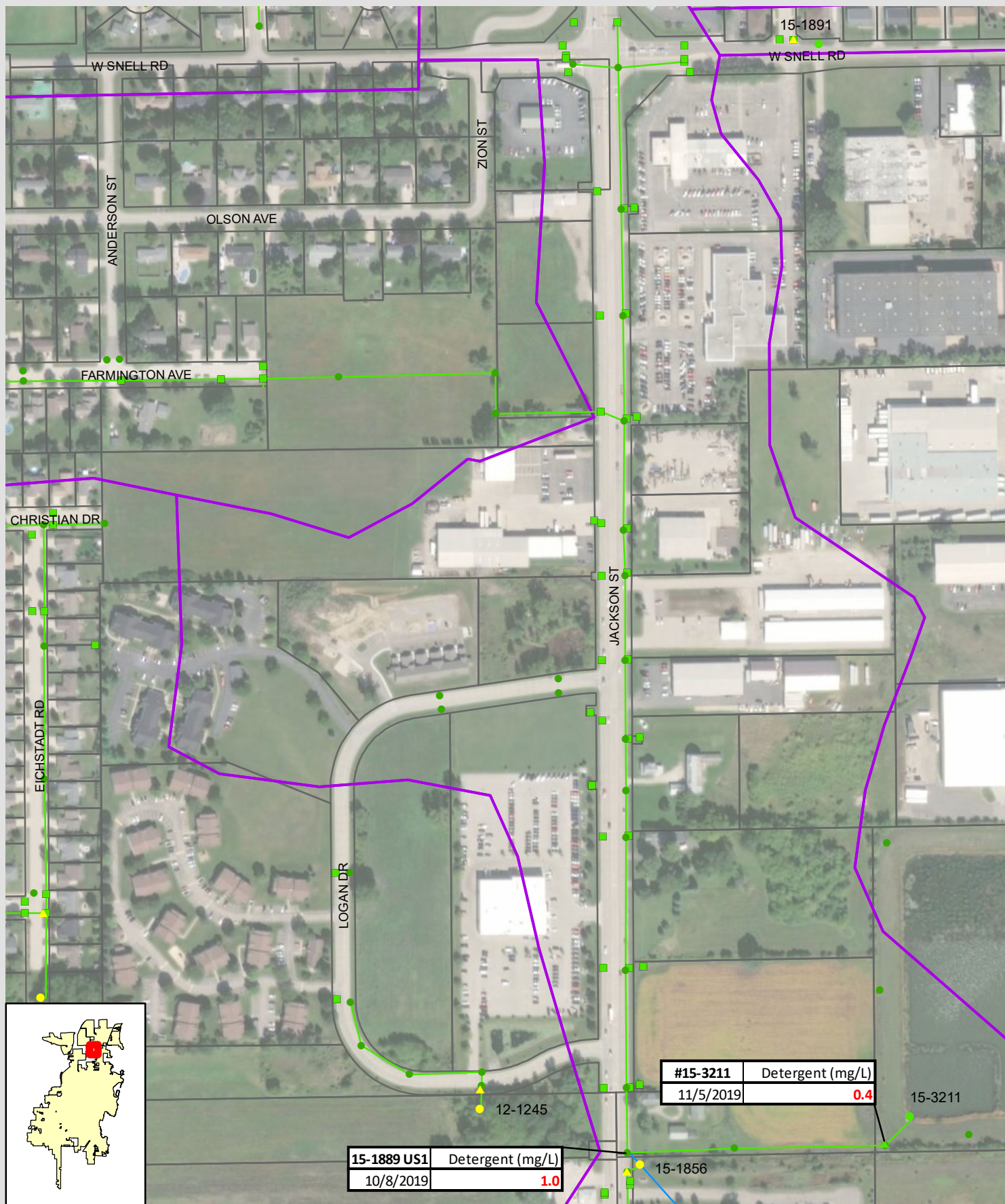
2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 15-2243

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/11/2019

SCALE:
1" = 249'
PROJECT NO.
N2029C19
FIGURE NO.
D-13



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



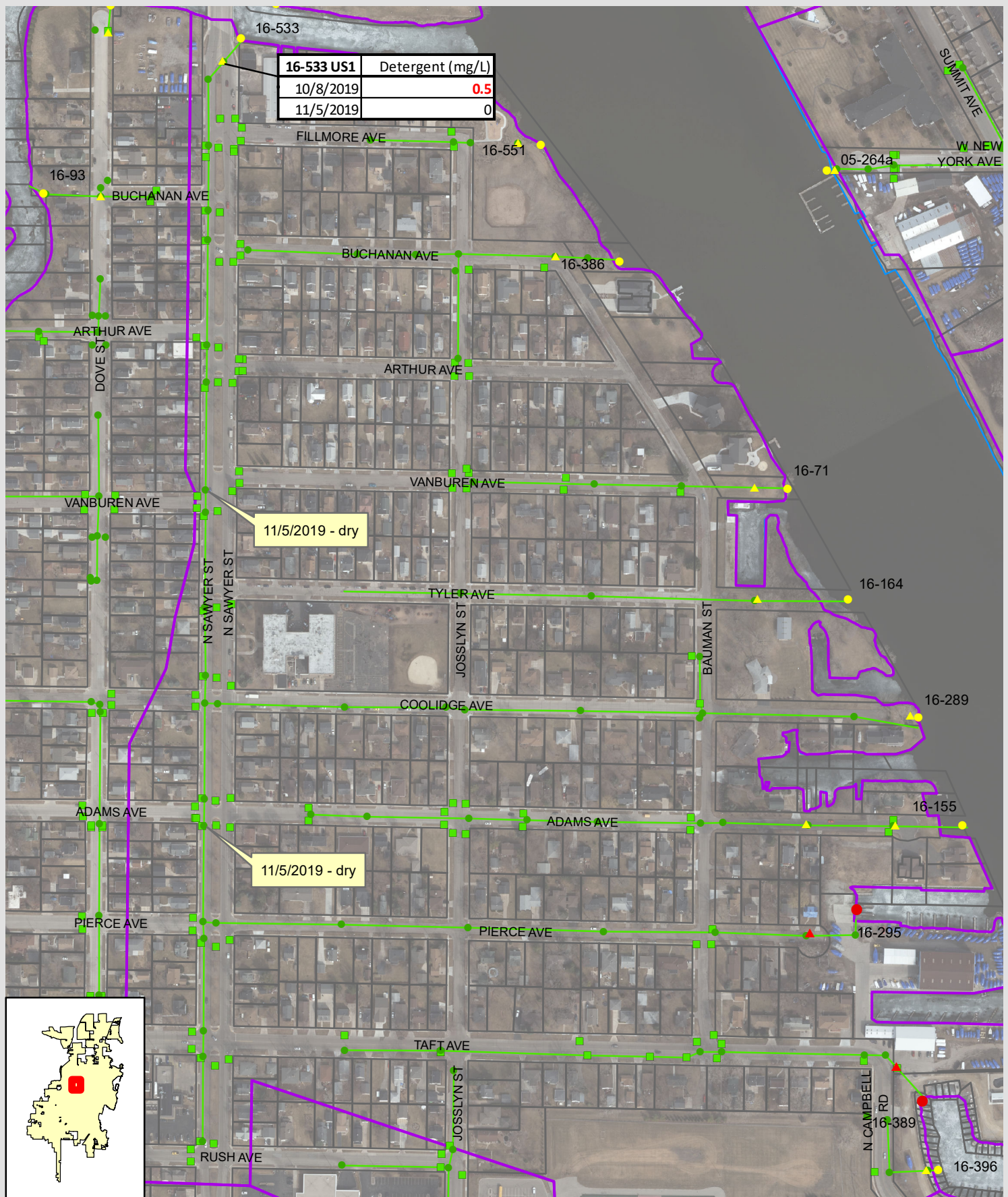
2019 IDDE ONGOING SCREENING PROGRAM **DETAIL MAP** **OUTFALL 15-3211**

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 333'
PROJECT NO.
N2029C19
FIGURE NO.
D-14



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



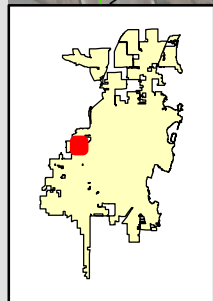
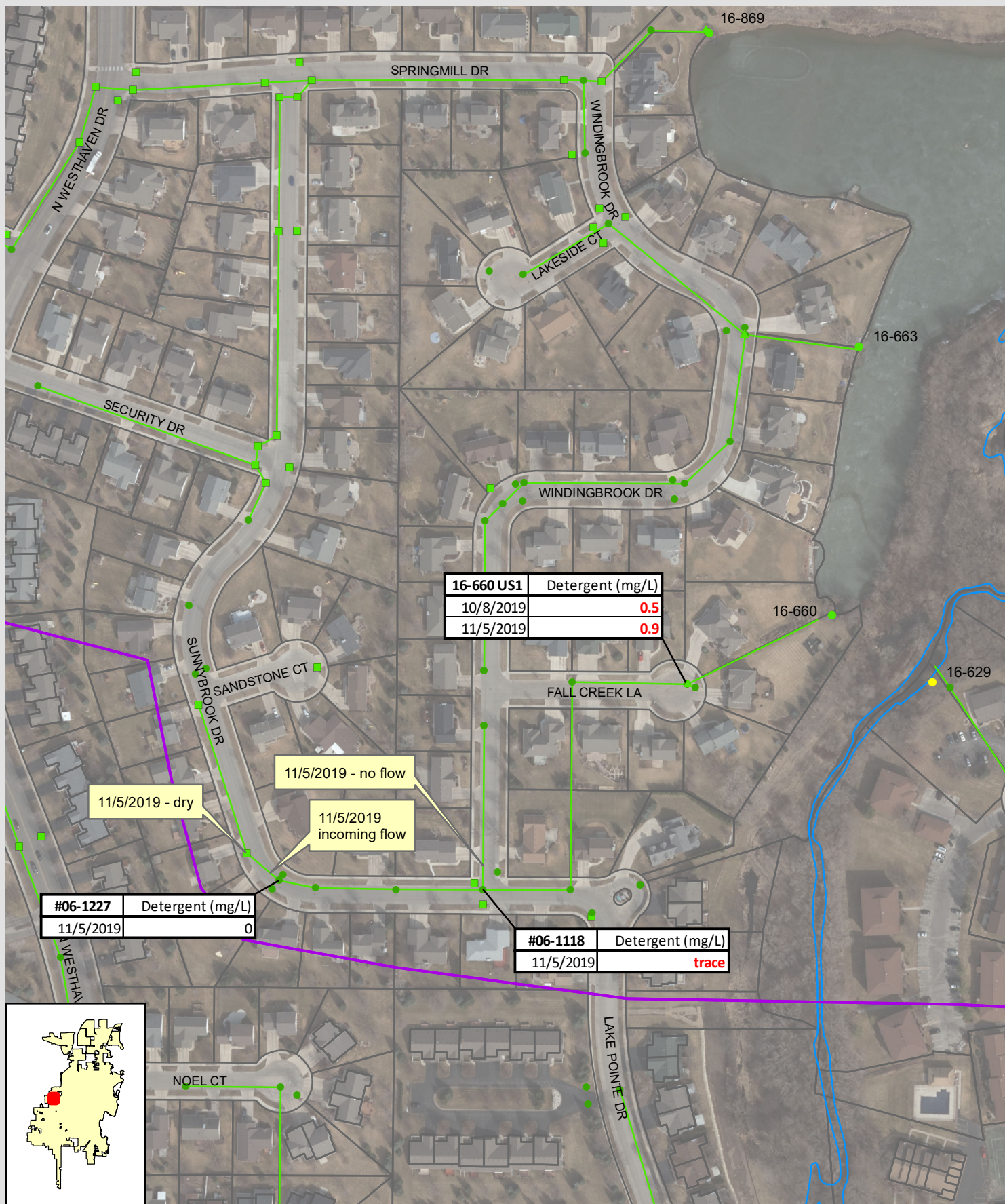
2019 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 16-533

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/11/2019

SCALE:
1" = 348'
PROJECT NO.
N2029C19
FIGURE NO.
D-15



Omni
ASSOCIATES

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



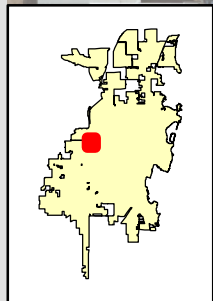
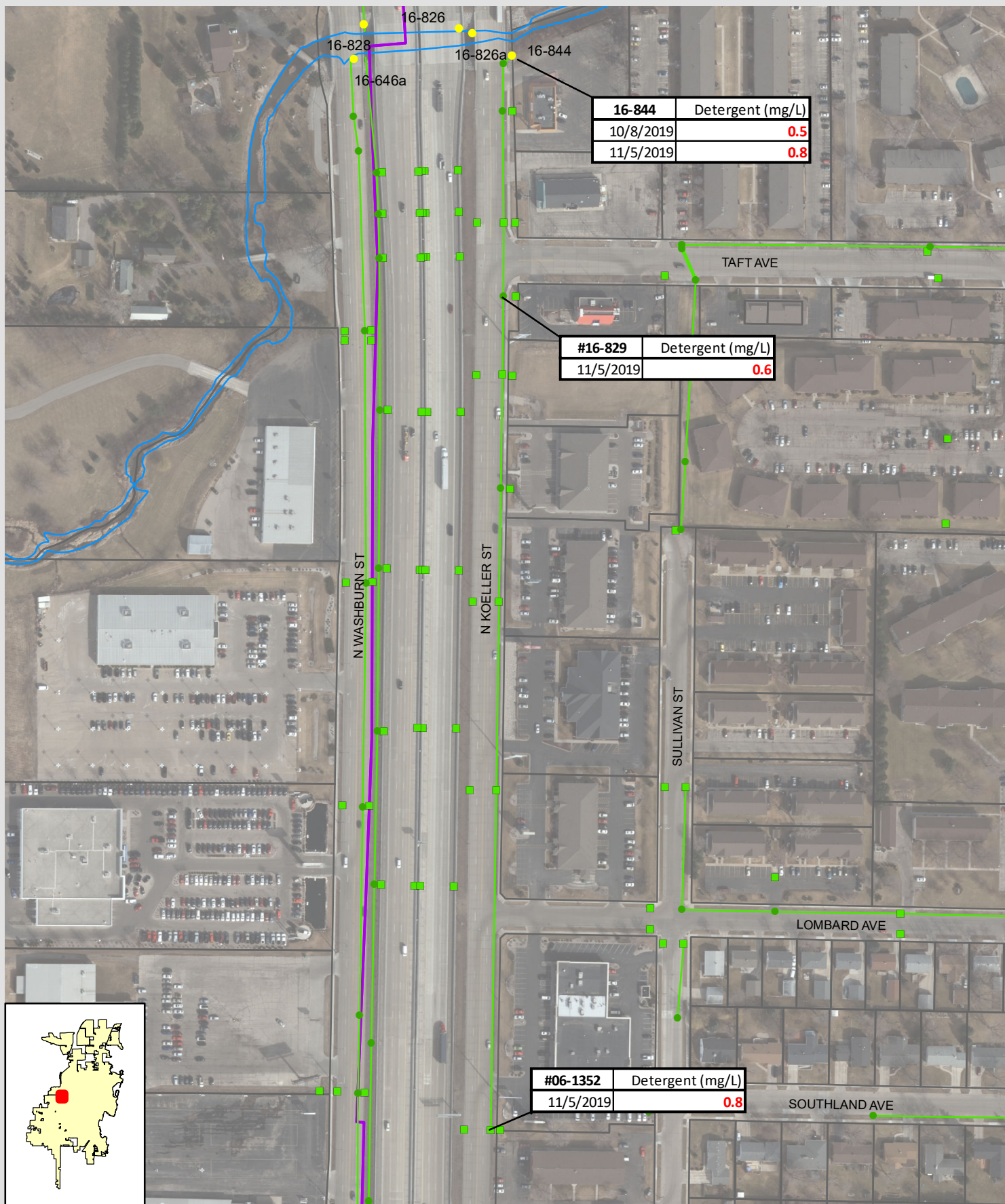
2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-660

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 208'
PROJECT NO.
N2029C19
FIGURE NO.
D-16



Omni
ASSOCIATES

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



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-844

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

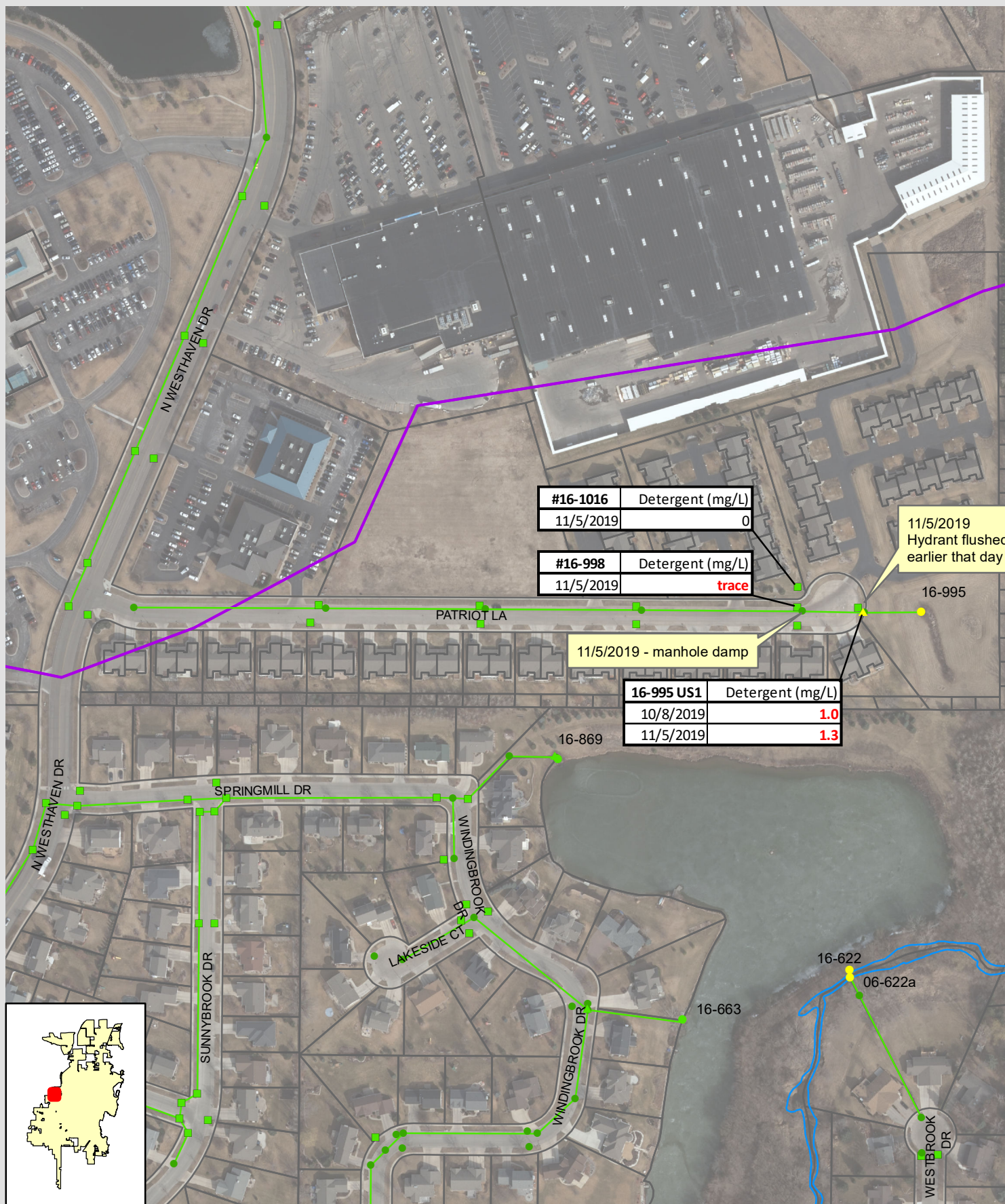
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/11/2019

SCALE:
1" = 227'

PROJECT NO.
N2029C19

FIGURE NO.
D-17



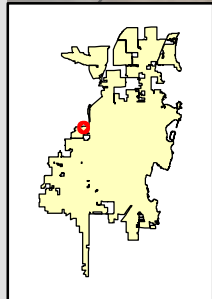
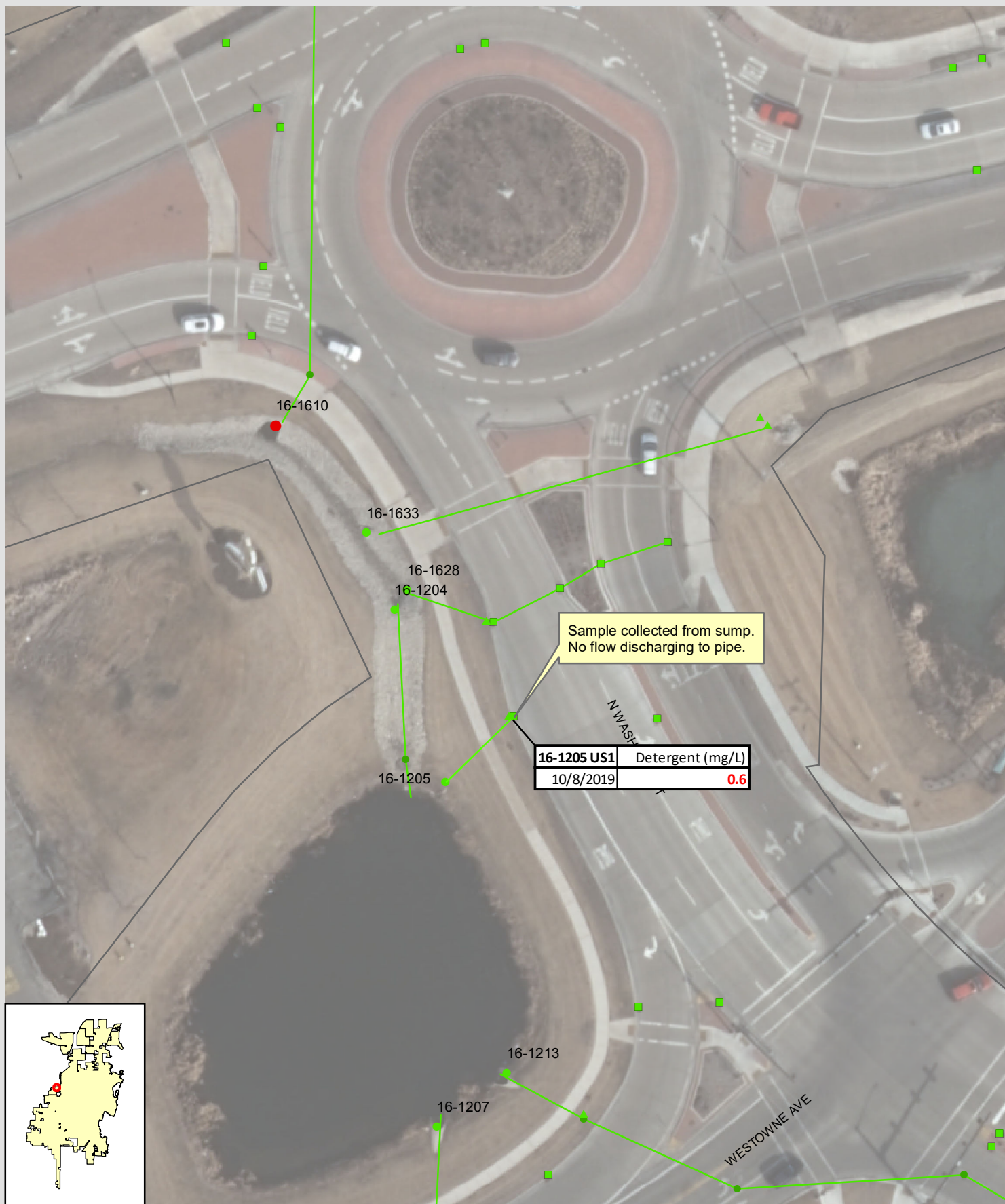
2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-995

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 250'
PROJECT NO.
N2029C19
FIGURE NO.
D-18



Omni
ASSOCIATES

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



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-1205

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

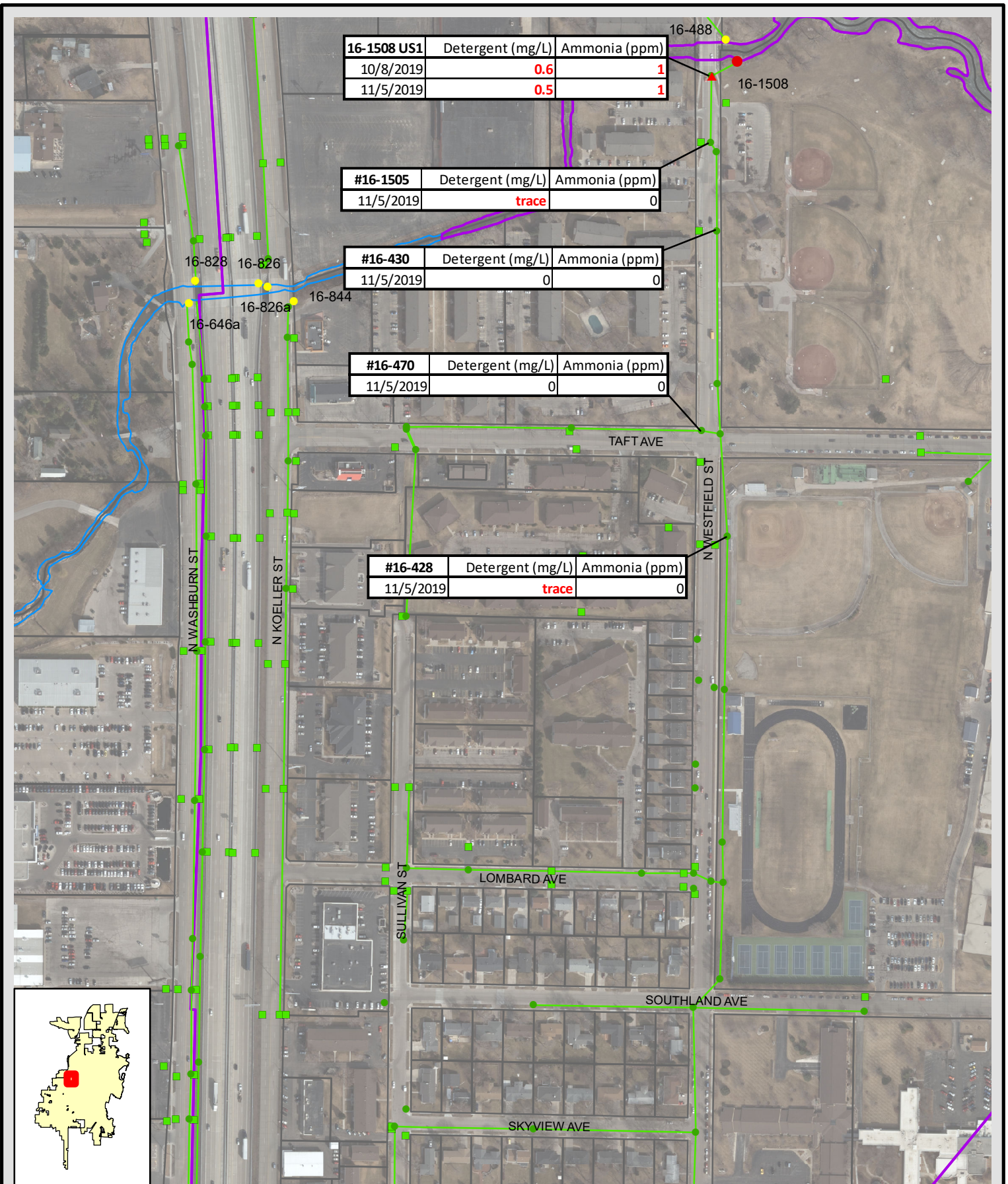
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 50'

PROJECT NO.
N2029C19

FIGURE NO.
D-19



2019 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-1508

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 11/12/2019

SCALE:
1" = 333'
PROJECT NO.
N2029C19
FIGURE NO.
D-20

Appendix E

MS4 Outfall Screening History/Schedule

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
P	01-520	P	P	P	P	P	x
P	02-357	P	P	P	P	P	x
P	03-22	P	P	P	P	P	x
P	03-35	P	P	P	P	P	x
P	03-81	U	P	P	P	P	x
P	03-173	P	P	P	P	P	x
P	03-381	P	P	P	P	P	x
P	05-14	P	P	P	P	P	x
P	05-241	U	U	P	U	U	x
P	06-52	P	P	P	P	P	x
P	06-221		P	P	P	U	x
P	06-253	U	U	P	P	U	x
P	06-810	U	U	U	P	P	x
P	08-284	P	P	P	P	P	x
P	08-347	P	P	P	P	U	x
P	09-101					U	x
P	11-376	P	P	P	P	P	x
P	11-512	P	P	P	P	P	x
P	12-569	P	P	P	P	P	x
P	12-1328a	O	P	P	P	U	x
P	13-1716	U	U	P	U	U	x
P	13-1758	U	U	U	U	U	x
P	13-2957	U	U		U	P	x
P	13-3774	U	U	U	P	P	x
P	14-582	U	U	U	U	P	x
P	14-999	U	U	U	U	P	x
P	15-1093	U		U	U	U	x
P	16-142	P	P	U	U	U	x
P	16-533	P	P	U	P	P	x
P	16-844	U	U	U	P	P	x
P	16-1205	U	U	U	P	P	x
P	16-1508	P	U	U	U	P	x
NPM	01-360	U					x
NPM	01-642	P	P	U			
NPM	03-119	U	U	U	U		
NPM	03-293		U				
NPM	05-155	U					x
NPM	05-216	U					x
NPM	06-489						x
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					x
NPM	09-32						x
NPM	09-84						x
NPM	11-1097		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	2020
NPM	12-576	U	U	U	U		
NPM	12-2042	U					x
NPM	12-890	U					x
NPM	12-925	U					x
NPM	13-68	U					x
NPM	13-337						x
NPM	13-471				P	P	r
NPM	13-1098	U	U	U	U		
NPM	13-1106	U					x
NPM	13-1174	U					x
NPM	13-1283	U					x
NPM	13-1769	U					x
NPM	13-2332				P	P	r
NPM	13-2382				U		
NPM	13-2611				U		
NPM	13-2613				U		
NPM	13-2736					P	r
NPM	13-2822b						x
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					U	
NPM	15-1067					U	
NPM	15-1219					U	
NPM	15-1248					U	
NPM	15-1263					U	
NPM	15-1277		U				
NPM	15-1817		U				
NPM	15-2108					U	
NPM	15-2243					P	r
NPM	15-2477	U	U	U	U		
NPM	15-2790					U	
NPM	15-3212					U	
NPM	16-1610					U	
NPM	16-295	U					x

City of Oshkosh
MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
NPM	16-389	U					x
NPM	16-436				P	U	
NPM	FernauPond	U					x
NPM	OakwoodPondOut				U		
NPM	WashAller01						x
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	U	
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	05-264a	U					
NPNM	06-3			U			
NPNM	06-65			U			
NPNM	06-154						x
NPNM	06-216				P	U	
NPNM	06-471				U		
NPNM	06-473				P	U	
NPNM	06-478				U		
NPNM	06-494				P	U	
NPNM	06-588				U		
NPNM	06-602				U		
NPNM	06-610				P	U	
NPNM	06-622a			U			
NPNM	06-729				U		
NPNM	06-745						
NPNM	06-795				U		
NPNM	06-798						
NPNM	06-829				P	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			
NPNM	06-1149			U			
NPNM	06-1159						x
NPNM	06-1161						x
NPNM	06-1210			U			
NPNM	06-1211			U			
NPNM	06-1371			P			

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
NPNM	06-1371a			U			
NPNM	06-1373			U			
NPNM	06-1477			U			
NPNM	06-1495			U			
NPNM	06-1562				U		
NPNM	06-1619						x
NPNM	06-1633						x
NPNM	06-1636						
NPNM	06-1694						
NPNM	06-1814			U			
NPNM	06-1816			U			
NPNM	06-1986						x
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	11-46					U	
NPNM	11-64					U	
NPNM	11-69					U	
NPNM	11-71					U	
NPNM	11-75					U	
NPNM	11-79					U	
NPNM	11-118					U	
NPNM	11-177					P	r
NPNM	11-225					U	
NPNM	11-244					U	
NPNM	11-247					U	
NPNM	11-318					U	
NPNM	11-515					U	
NPNM	11-801					U	
NPNM	11-803					U	
NPNM	11-805					U	
NPNM	12-889	U					
NPNM	12-972	U					
NPNM	12-997	U					
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						

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
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						x
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						x
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						x
NPNM	13-1766	U					
NPNM	13-1870						x
NPNM	13-1957						
NPNM	13-2031						x
NPNM	13-2135						
NPNM	13-2156						
NPNM	13-2387	U					
NPNM	13-2390	U					
NPNM	13-2455						x
NPNM	13-2464						x
NPNM	13-2527						x
NPNM	13-2557						
NPNM	13-2559						
NPNM	13-2561						x
NPNM	13-2563						x
NPNM	13-2564						x
NPNM	13-2596						x
NPNM	13-2666						
NPNM	13-2768						
NPNM	13-2822				U		

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
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						x
NPNM	13-3194						x
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						x
NPNM	13-3509						x
NPNM	13-3636						
NPNM	13-3706						x
NPNM	14-124						
NPNM	14-368						
NPNM	14-517						x
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						
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					U	
NPNM	15-350					U	

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
NPNM	15-378					U	
NPNM	15-399						
NPNM	15-488						
NPNM	15-571						x
NPNM	15-573						x
NPNM	15-687					U	
NPNM	15-690					U	
NPNM	15-692					U	
NPNM	15-693					U	
NPNM	15-798						
NPNM	15-804					U	
NPNM	15-835					U	
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					U	
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					U	
NPNM	15-1137					U	
NPNM	15-1185						
NPNM	15-1187						
NPNM	15-1188						
NPNM	15-1217						
NPNM	15-1225					U	
NPNM	15-1237	U	U				
NPNM	15-1239						
NPNM	15-1287						
NPNM	15-1348						
NPNM	15-1494					U	
NPNM	15-1702						
NPNM	15-1734						
NPNM	15-1746						x
NPNM	15-1749						
NPNM	15-1806						
NPNM	15-1807						
NPNM	15-1856						
NPNM	15-1891						
NPNM	15-1903						
NPNM	15-1983					U	
NPNM	15-2242						

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
NPNM	15-2292						
NPNM	15-2295						
NPNM	15-2297						
NPNM	15-2375						x
NPNM	15-2394						
NPNM	15-2409	U	U	U	U		
NPNM	15-2412						x
NPNM	15-2475						
NPNM	15-2527						
NPNM	15-2528						
NPNM	15-2690						x
NPNM	15-3211					P	r
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	P	r
NPNM	16-622			U			
NPNM	16-629			U			
NPNM	16-646a			U			
NPNM	16-660			P	P	P	r
NPNM	16-663			U			
NPNM	16-719		U				

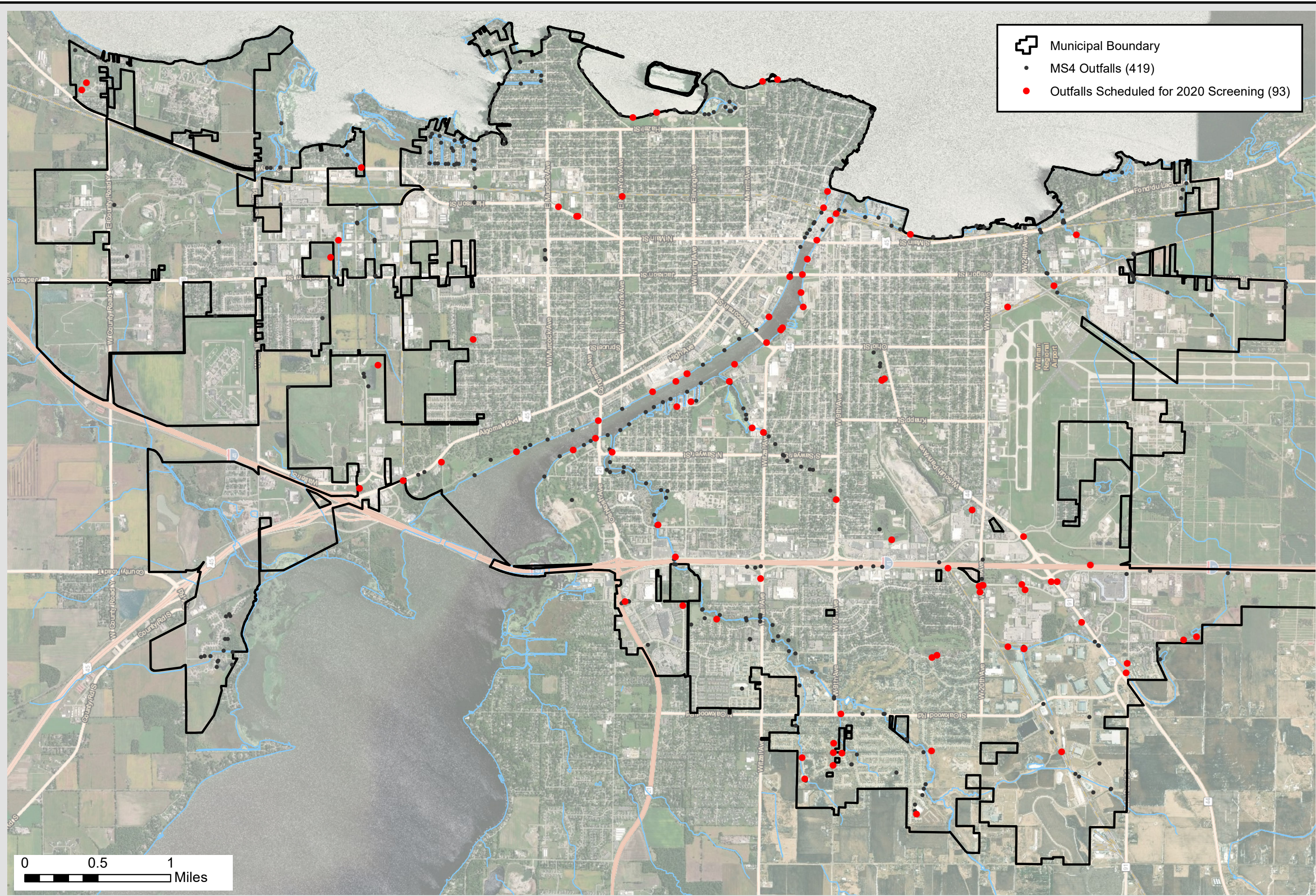
City of Oshkosh




MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019	2020
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	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	76	70	75	53	55	0
P	Potential	20	27	25	34	32	0
O	Obvious	1	0	0	0	0	0
		97	97	100	87	87	0
x	Scheduled	0	0	0	0	0	83
r	Reinspect	0	0	0	0	0	10
		0	0	0	0	0	93

Total MS4 Outfalls				
P	Priority Outfall (annual)			32
NPM	Non-Priority Major Outfall (5 years)			75
NPNM	Non-Priority Non-Major Outfall (10 years)			312
				419



-  Municipal Boundary
-  MS4 Outfalls (419)
-  Outfalls Scheduled for 2020 Screening (93)

2019 IDDE ONGOING SCREENING PROGRAM
OUTFALLS SCHEDULED FOR 2020 SCREENING

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

SCALE:
1" = 3,131'
PROJECT NO.
N2029C19
FIGURE NO.
E-1

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 12/31/2019



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