

# Ongoing Screening Summary Report 2016 Inspection Year

Illicit Discharge Detection and Elimination Program

City of Oshkosh

November 30, 2016

OMNNI Project No. N2029C16

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



**Illicit Discharge Detection and Elimination**  
Conducted For  
**City of Oshkosh**

**Ongoing Screening Summary Report**

**2016 Inspection Year**

**Prepared by:**

OMNNI Associates, Inc.  
One Systems Drive  
Appleton, WI 54914-1654  
(T) 920/735-6900  
(F) 920/830-6100  
[www.omnni.com](http://www.omnni.com)

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## EXECUTIVE SUMMARY

During the summer of 2016, 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 98 of the approximately 425 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 27 outfalls with evidence of potential or obvious illicit discharges, primarily manholes with trapped floating litter.

## BACKGROUND

### Purpose

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

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

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

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

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

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

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

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

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

The current MS4 map for the City of Oshkosh consists of 425 outfalls, including:

- 95 major outfalls
- 237 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)*

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 46 priority outfalls.

The 2016 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 2016 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, 2017.

## **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.

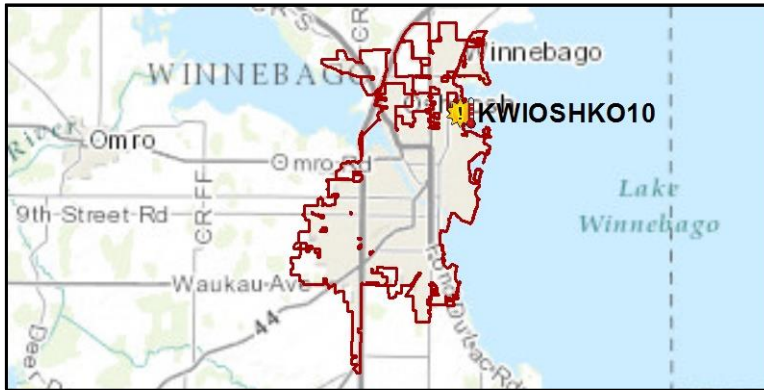
A detailed outfall report is generated for each outfall that is inspected. The outfall report includes the general outfall information that was collected, along with detailed inspection results for each inspection conducted at the outfall. This provides a comprehensive history of the inspection results 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 KWIOSHKO10 (“Northeast Oshkosh”) is located northeast of the intersection of Bowen Street and Nicolet Avenue in the City of Oshkosh. The conditions at this weather station were considered representative of the weather in the City of Oshkosh for the 2016 ongoing screening. The location of the weather station is shown in Figure 1.

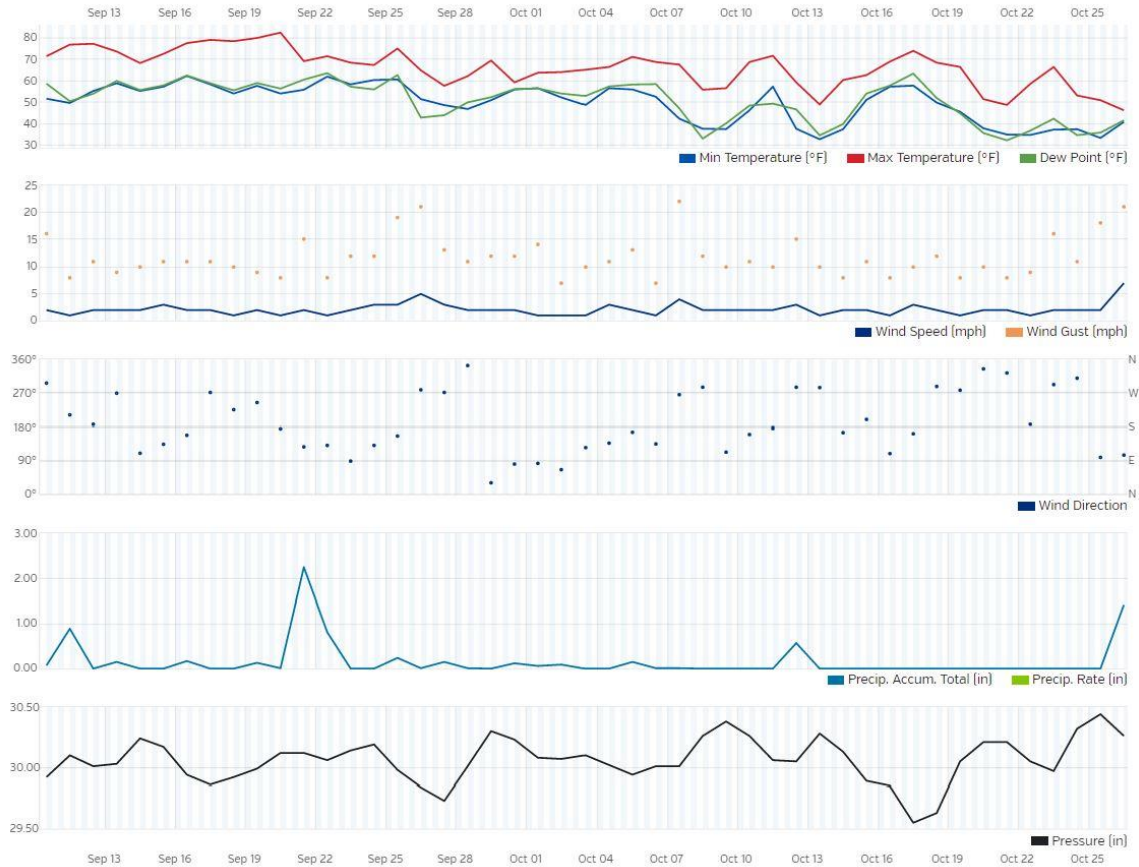


**Figure 1 – Location of weather station for weather history**

The weather history from September 10, 2016 (one month prior to the start of inspections) through October 26, 2016 (one week after the completion of inspections) from this weather station is shown in Figure 2.

Weather History Graph

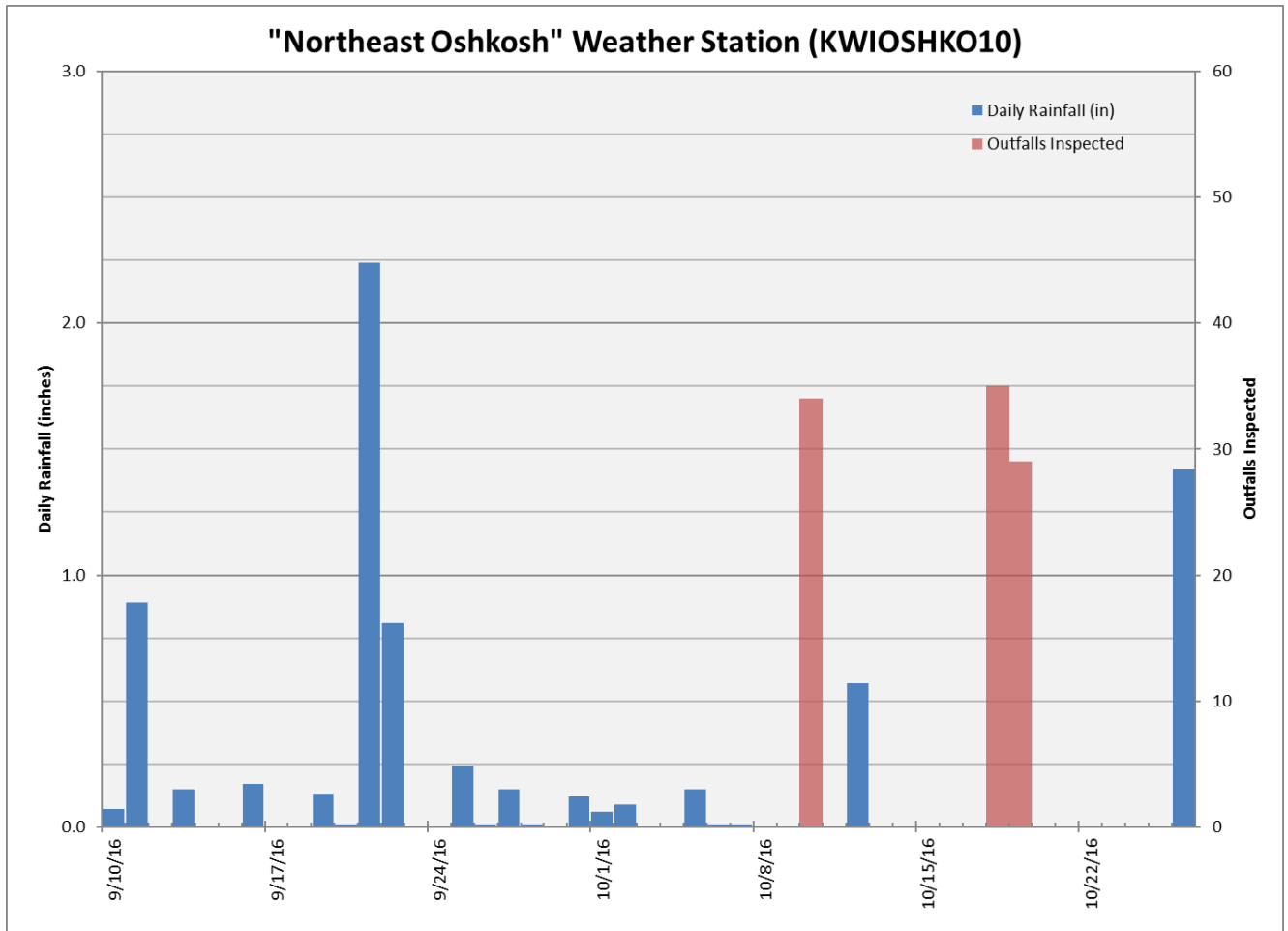
September 10, 2016 - October 26, 2016



**Figure 2 – Summer 2016 weather history (Weather Underground)**



Outfall inspections were conducted in the City of Oshkosh on October 10, 18 and 19, 2016. Those inspection dates (red), along with the daily rainfall history (blue), are shown in Figure 3.



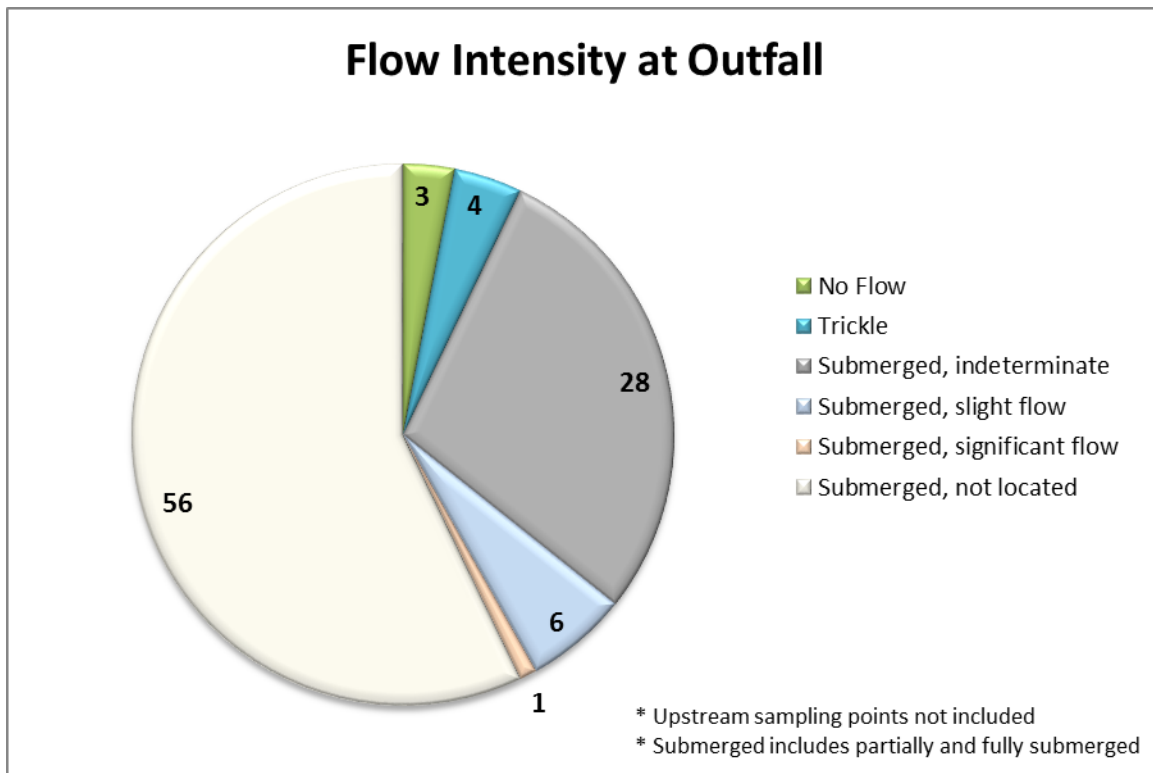
**Figure 3 – Rainfall history and outfall inspections**

## Flow

To meet the requirement of dry weather screening, outfalls were typically screened at least 48 hours after the previous runoff-producing rainfall event. Because the outfalls that were screened in 2016 were primarily submerged outfalls, flow could only be assessed at 11 of the outfalls.

Submerged outfalls, along with the observed flow patterns, are described in the next section.

The distribution of the flow intensity of the outfalls is shown in Figure 4.



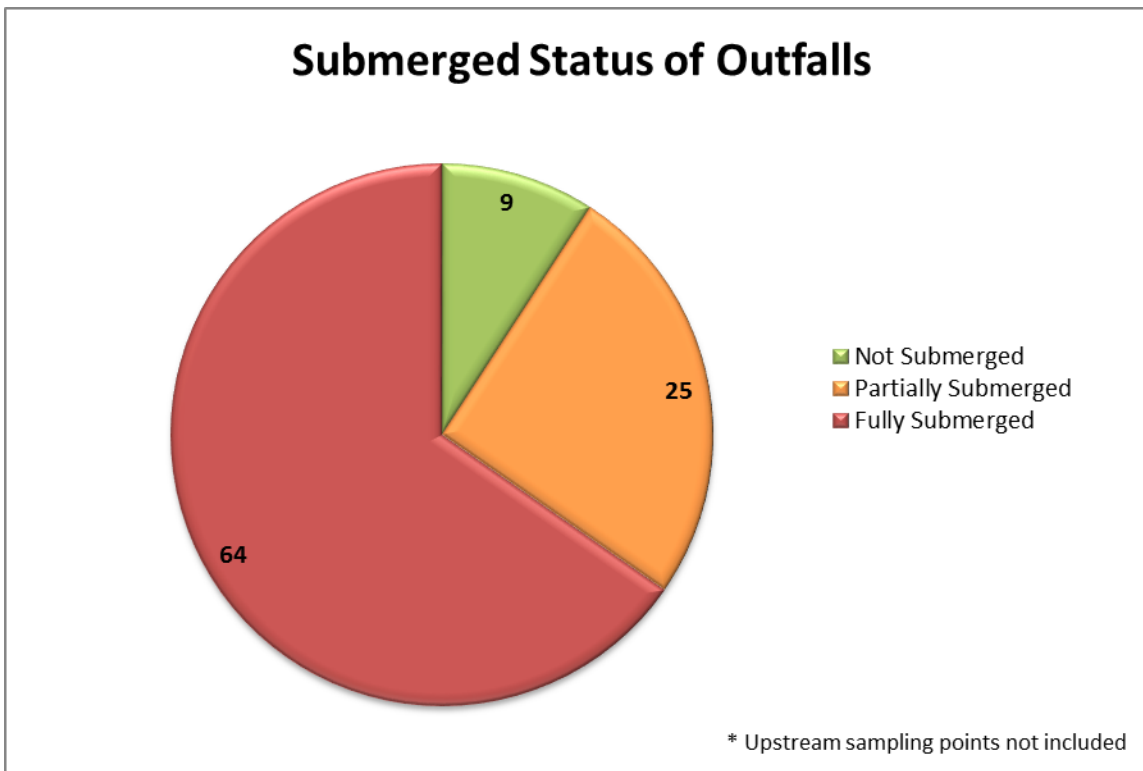
**Figure 4 – Flow intensity at outfall**

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 98 inspected outfalls, 25 were partially submerged, and 64 were fully submerged (Figure 5). Of the 64 fully submerged outfalls, 56 could not be physically located.



**Figure 5 – Submerged status of outfalls**

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

## PHYSICAL INDICATOR ASSESSMENT

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

### Floatables

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

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

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

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

## **Odor**

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

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

## **Turbidity**

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

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

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

## **Color**

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

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

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

## **Vegetation**

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

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

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

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

## **Benthic Growth**

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

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

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

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

## **Stains**

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

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

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

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

## **Gross Solids**

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

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

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

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

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

## **Observed Conditions**

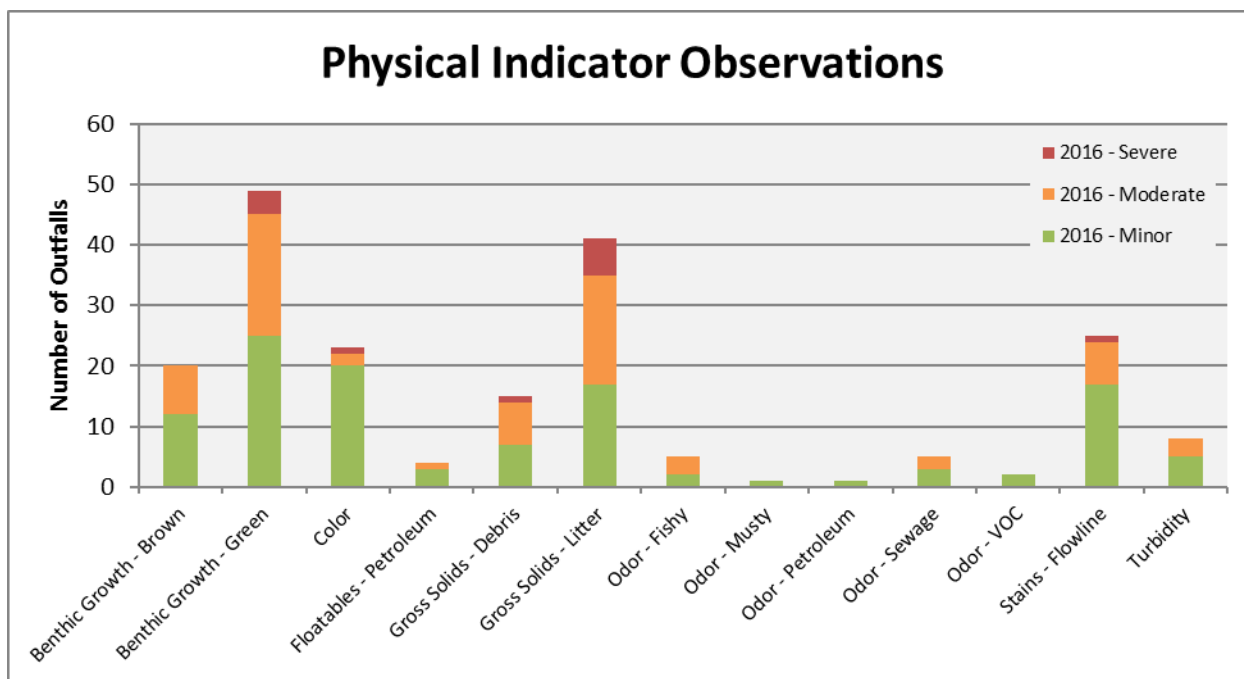
The presence of any physical indicators in the pipe or channel, flow, downstream pool, and surrounding area were recorded at the time of the inspection. Certain physical indicators, such

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

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

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

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



**Figure 6 – Physical indicator observations**

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

In 2016, 26 outfalls were classified as potential illicit discharge 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 2.3.2.2 of the general permit requires that outfalls with dry-weather flow be sampled for pH, total chlorine, total copper, total phenol and detergents for the initial screening of major outfalls, unless detergent, ammonia, potassium and fluoride were used as alternate parameters.

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

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

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially-submerged or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream sampling location, or from the outfall pool if an upstream location was not available. A total of 86 stormwater samples were collected and analyzed as part of the ongoing screening process in 2016 – 13 were from flow streams, and 73 were from pools.

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

### pH

#### *Background*

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

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

#### *Testing Method*

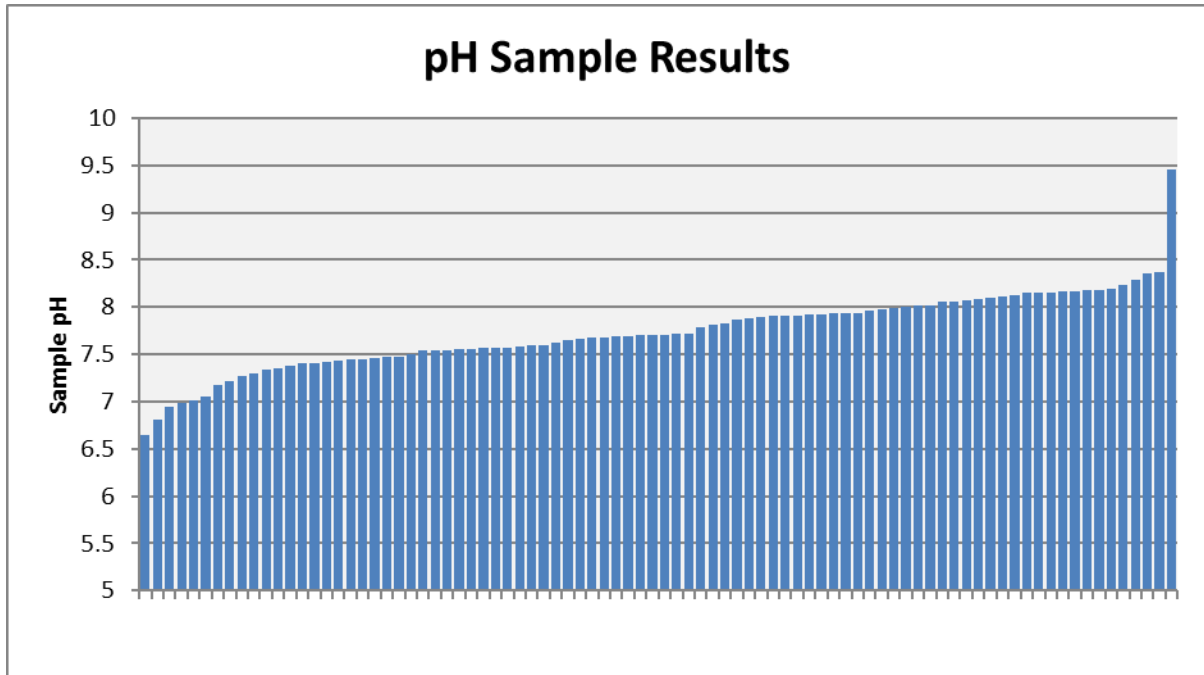
During the ongoing screening program, OMNNI tested the pH of the outfall samples with a *Hach Pocket Pro+ Multi 2 Tester* handheld pH/conductivity/temperature meter, which displays the pH reading to 0.01 pH units. The probe was periodically calibrated at 4.01, 7.00 and 10.01 pH



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

## Results

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



**Figure 7 – pH sample results**

The pH values ranged from 6.65 to 9.45. One sample (12-1328a) was outside of the 6.0-9.0 normal range. Because the sample also had elevated pH in 2015, the outfall was classified as a potential illicit discharge, and is discussed in more detail in the *Potential Illicit Discharges* section of this report.

## Temperature

### Background

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

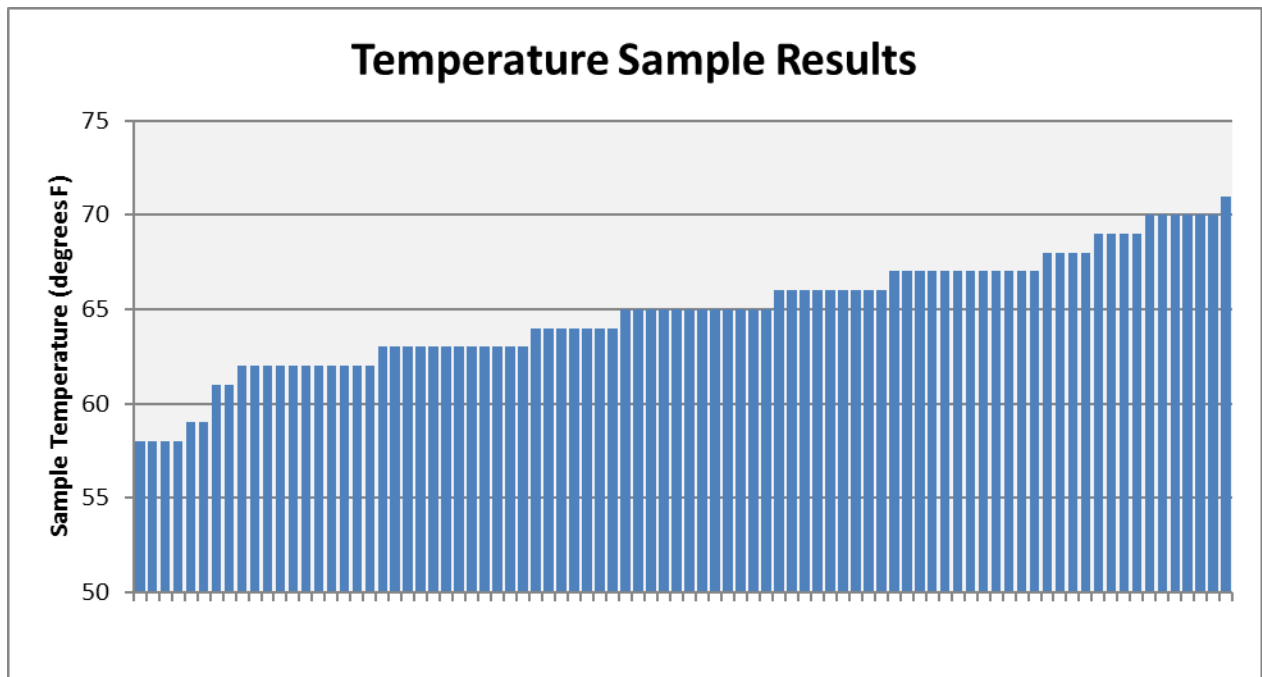
Ground temperatures were typically 55 °F or warmer in summer. As a result, the “normal” temperature range was set at 55 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

### Testing Method

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

### Results

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



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.<sup>1</sup>

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

### Testing Method

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

### Results

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

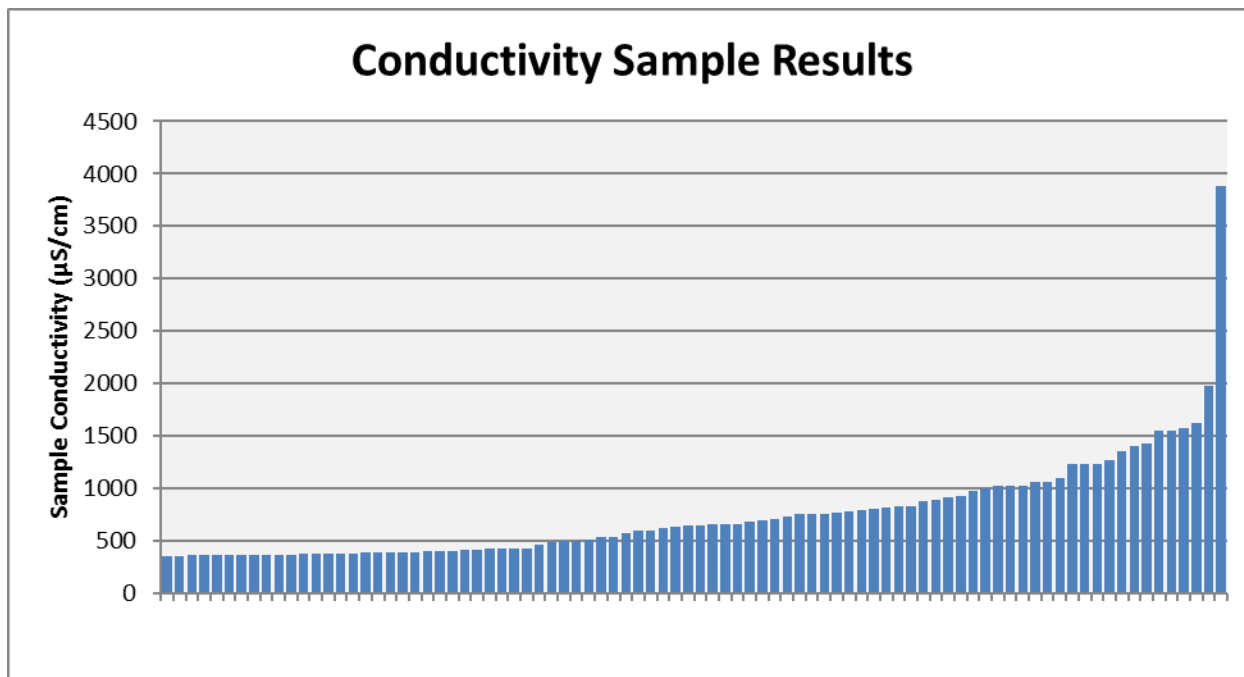


Figure 9 – Conductivity sample results

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

The conductivity values ranged from 356 to 3,880  $\mu\text{S}/\text{cm}$ . One sample – outfall 16-844 – exceeded the 2,000  $\mu\text{S}/\text{cm}$  action limit. However, since no other indicator parameters were out of range for this sample, it was not considered an illicit discharge.

## **Chlorine**

### *Background*

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

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

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

### *Testing Method*

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

### *Results*

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

## **Ammonia**

### *Background*

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

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

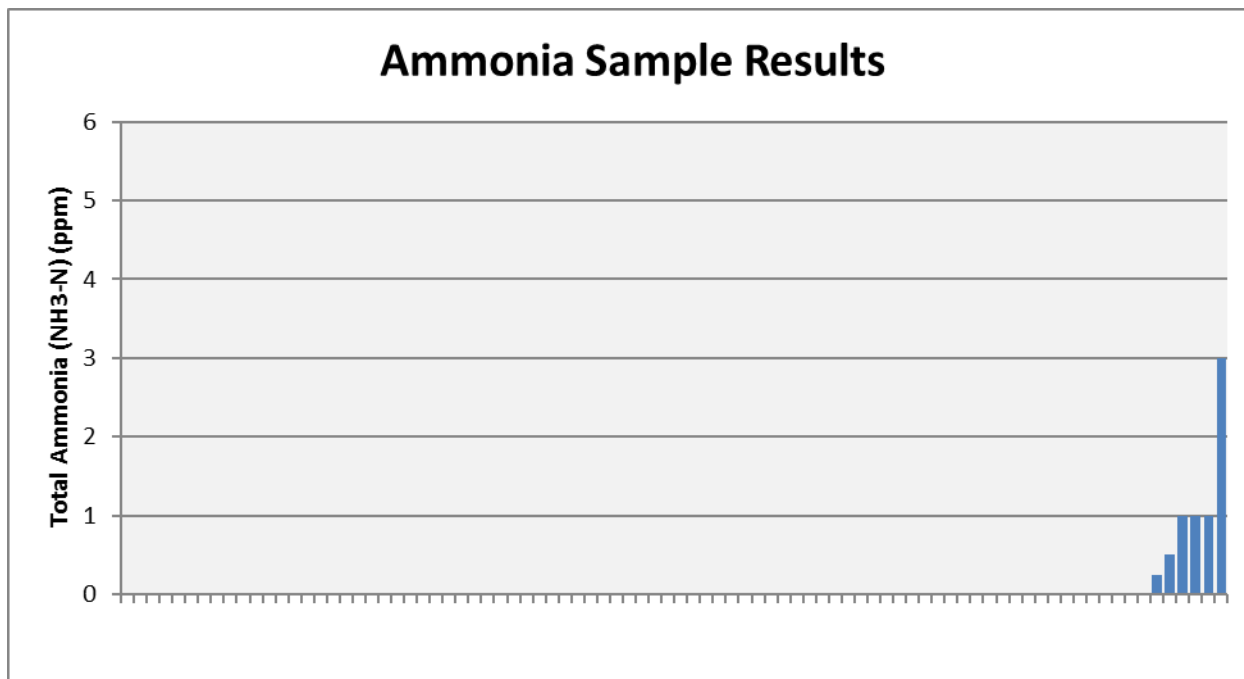
Because of the natural sources of ammonia, the action level for ammonia detections was set at greater than 1 ppm. Samples with ammonia concentrations of 1 ppm or lower were not investigated unless additional chemical or physical indicator parameters were present.

### Testing Method

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

### Results

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



**Figure 10 – Ammonia sample results**

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

**Table 1 – IDDE potential of outfalls with ammonia detections**

<b>Outfall</b>	<b>Ammonia (ppm)</b>	<b>IDDE Potential</b>	<b>Reason</b>
03-81 US1	1	Potential	Petroleum sheen and odor in manhole; past petroleum and ammonia detections.
08-937 US1	1	Unlikely	No other indicator parameters out of range.
15-1817 US1	3	Unlikely	No other indicator parameters out of range. Sample collected from manhole sump with decaying vegetation.
16-142 US1	1	Potential	Elevated ammonia and moderate gross solids (litter).
16-594 US1	0.25	Potential	Detected ammonia and moderate gross solids (litter).
16-71 US1	0.5	Potential	Detected ammonia and slight gross solids (litter, including syringes).

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

## **Detergents**

### *Background*

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

There are four main classes of detergents:

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

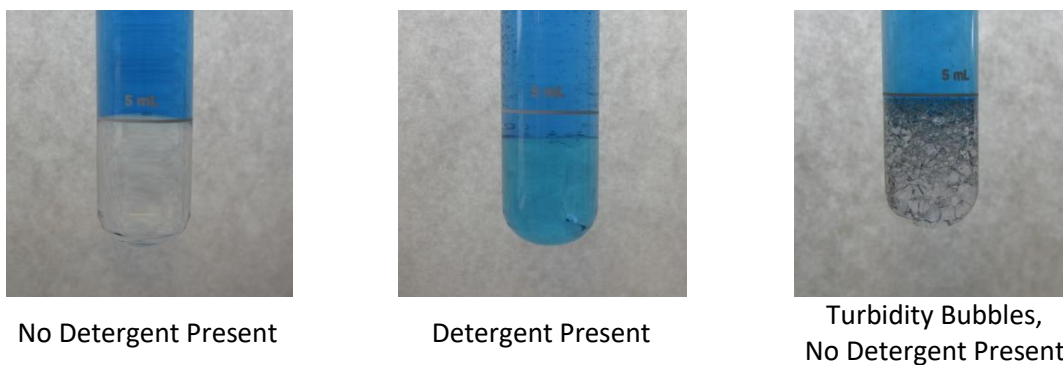
Unfortunately, due to the diverse classes of detergents, there is no single test to detect the presence of all detergents. The most common test – the Methylene Blue Active Substances (MBAS) test – is only effective in identifying the presence of anionic detergents.

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

### *Testing Method*

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

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



**Figure 11 – Typical MBAS Detergent Test Results**

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

### *Results*

None of the samples tested positive for detergents, so none of the samples were considered suspect due to detergent.

## **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 98 inspected outfalls, 71 were classified as unlikely, 27 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 2 – Outfalls with elevated illicit discharge classifications**

<b>Outfall</b>	<b>Classification</b>	<b>Reason</b>
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014 and 2015).
01-642	Potential	Persistent gross solids in upstream manhole (also present in 2015).
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011 and 2015).
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014 and 2015).
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014 and 2015).
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013 and 2015).
03-81	Potential	Oil sheen/odor and elevated ammonia in upstream manhole, with gross solids (also present in 2009, 2010, 2014).
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015).
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).
06-1028	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, and 2012).
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
08-364	Potential	Persistent gross solids in upstream manhole (also present in 2011 and 2015).
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2011, 2014 and 2015).
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014 and 2015).
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014 and 2015).
12-1328a	Potential	Elevated pH (also present in 2015).
15-636	Potential	Persistent gross solids in upstream manhole (also present in 2011).



Outfall	Classification	Reason
16-28	Potential	Persistent gross solids in upstream manhole (also present in 2010).
16-71	Potential	Persistent gross solids (including four syringes) in upstream manhole (also present in 2010).
16-142	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2012, 2014 and 2015).
16-201	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2012 and 2014).
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010).

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

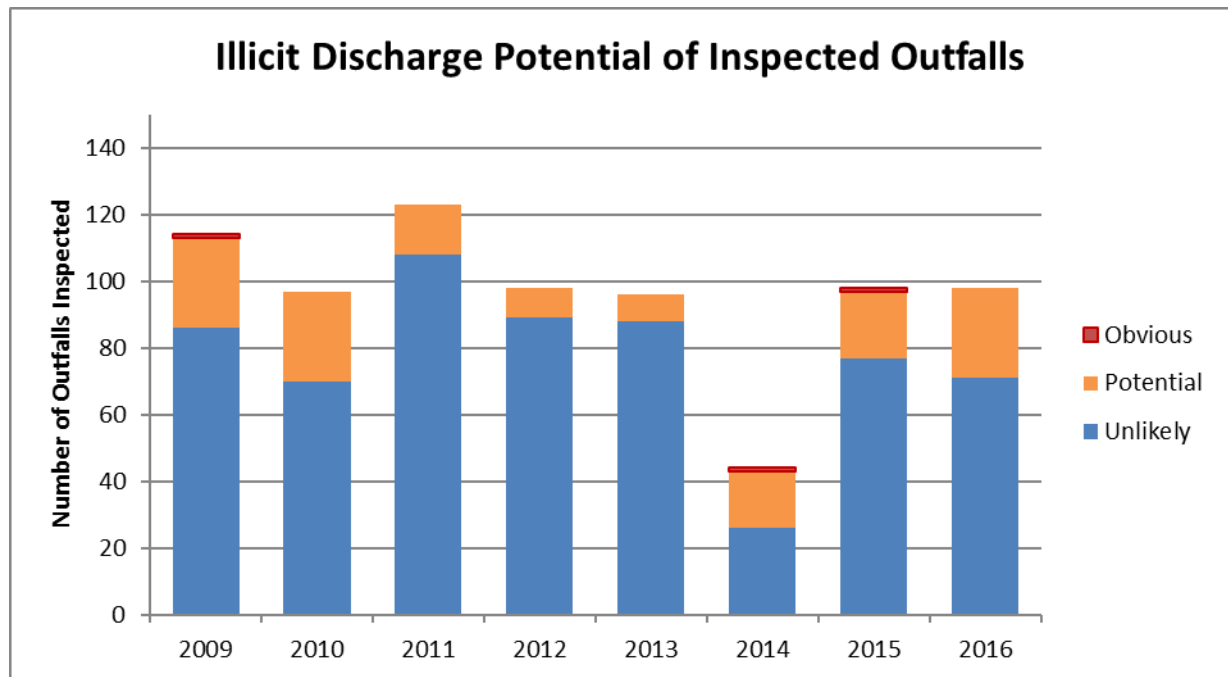


Figure 12 – Illicit discharge potential of inspected outfalls

### Upstream Manholes with Significant Floatable Debris

During the 2016 ongoing screening program, 26 upstream manholes contained significant amounts of floatable debris (gross solids), including plastic bottles, foam packaging, and other solid waste, and were classified as potential illicit discharges. This effect was most pronounced at manholes upstream of a fully-submerged outfall, where the storm sewer pipes within the manhole were also fully-submerged. In these cases, any floatable debris traveling along the top of the storm sewer pipe will enter the manhole, and will remain trapped on the surface of the manhole pool, as they are not able to escape through the submerged outlet pipe. In these cases, the submerged manhole acts as a trap for much of the floatable debris.

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

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

Upstream manholes that were classified as “potential” sources of illicit discharge due to significant floatable debris during the 2009-2015 screening programs are shown in the table in Appendix D-1. The 2016 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-1.

### **Outfall 03-81 (Pioneer Drive)**

Outfall 03-81 discharges near the railroad trestle at the north end of Pioneer Drive. The outfall is fully-submerged, and the MS4 mapping suggests that the end of the pipe may be 90 feet past the shoreline. As a result, the outfall is screened at the first upstream manhole.



**Figure 13 – Upstream manhole 03-81 US1 (2009)**

The outfall was first screened in 2009. The first upstream manhole was located on the south side of Pioneer Drive, behind the railroad control shed. When the manhole was opened, a strong smell of diesel fuel was detected inside the manhole. The manhole was also submerged, and had a significant amount of floatable debris, which appeared to be coated with oil and grease.



**Figure 14 – Floatable debris and grease in upstream manhole 03-81 US1 (2009)**

A sample was collected from upstream manhole 03-81 US1. The sample had a grayish-black color, and had a strong odor of diesel fuel. The sampling equipment and container were coated in grease from penetrating the floatable debris. None of the typical sampling parameters tested positive. Because of the obvious odor of diesel fuel and appearance of grease, no additional VOC or oil/grease tests were run. The railroad track ballast in the area showed no signs of stains or other leaks, so a railroad spill seemed unlikely. Additional tracking showed similar conditions in upstream manholes on E. 10<sup>th</sup> Avenue.

The City and OMNNI believed that the illicit discharge evidence for this outfall was not caused by one significant event. Rather, it was likely caused by a gradual buildup of diesel fuel and oil/grease over many years, which became trapped in the downstream manholes. Upon discovering the problem, the City vacuumed the upstream manholes. A follow-up inspection of manhole 03-81 US1 revealed that the manhole was still fully-submerged, but the sample collected from the pool did not have a detectable odor.

Because outfall 03-81 is classified as a Priority Outfall, it is screened annually. During some of the annual screening events, evidence of the petroleum discharge has been observed. The screening results are summarized in Table 3:

**Table 3 - Sample results from manhole 03-81 US1**

Date	Ammonia (ppm)	Petroleum	Gross Solids	Illicit Discharge Potential
9/9/2009	N/A	Strong odor, severe sheen/coated	Severe	Obvious
8/18/2010	0	Faint odor	Moderate	Potential
5/26/2011	N/A	None	Minor	Unlikely
10/11/2011	0.25	None	Minor	Unlikely
10/9/2014	0.5	Faint odor, slight sheen	Severe	Obvious
9/23/2015	1	None	Minor	Unlikely
10/10/2016	1	Faint odor, moderate sheen	Minor	Potential



**Figure 15 – Upstream manhole 03-81 US1 (2016)**

There appears to be the potential for an ongoing intermittent discharge of petroleum from a source on E. 10<sup>th</sup> Street. OMNNI recommends that the City televise the storm sewer branches along this segment to identify any potential cross connections. It may also be necessary for City inspectors to inspect the areas where the storm sewer crosses private property to check for potential sources of industrial runoff that may enter the storm sewer system. Jetting the storm sewer system upstream of this outfall may help clean out any residual petroleum in the storm sewer.

Additional information and maps related to this investigation are included in Appendix D-2.

### **Outfall 12-1328a (Nolte Avenue detention basin)**

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



**Figure 16 – Outfall 12-1328a (10/10/2016)**

The outfall was first screened on September 23, 2015. During that screening, a trickle discharge was observed, with a white, silty substance. The silt was observed inside the pipe, on the apron,



and on the riprap downstream of the apron. The sample that was collected from the flow had the following chemical indicator parameters outside of normal range:

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

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

The Illicit Discharge Coordinator was notified of the discharge on September 25, 2015. The construction plans for the updated storm sewer were requested to aid with the tracking of the discharge.

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



**Figure 17 – Inlet 582A (9/28/2015)**



**Figure 18 – Pipe discharging into inlet 582A (9/28/2015)**

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

During the 2016 screening on October 10, 2016, it was observed that the pipe in the upstream catchbasin had been permanently plugged. No flow was leaving the upstream catchbasin. A trickle flow was present at the outfall, and the sample that was collected had a pH of 9.45, which still exceeded the 9.0 action limit. No ammonia was detected, and conductivity was within normal parameters (880  $\mu\text{S}/\text{cm}$ ).

**Table 4 - Sample results from outfall 12-1328a**

Date	Ammonia (ppm)	pH	Conductivity ( $\mu\text{S}/\text{cm}$ )
9/23/2015	1	11.66	2,470
10/10/2016	0	9.45	880

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

Additional maps and information related to this investigation are included in Appendix D-3.

## STATUS OF PRIOR YEAR'S ISSUES

During the 2015 ongoing screening program, 98 outfalls were screened. The screening revealed 20 potential illicit discharges and one obvious illicit discharge. 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 5 summarizes the issues that were identified in 2015, along with the conditions that were observed during the 2016 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 5 – Outfalls with elevated illicit discharge classifications (prior year)**

<b>Outfall</b>	<b>2015 Classification</b>	<b>2015 Reason</b>	<b>2016 Observations</b>	<b>2016 Classification</b>
01-318	Potential	Persistent gross solids in upstream manhole.	Gross solids not present.	Unlikely
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013 and 2014).	Gross solids still present.	Potential
01-642	Potential	Persistent gross solids in upstream manhole.	Gross solids still present.	Potential
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011).	Gross solids still present.	Potential
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012 and 2014).	Gross solids still present.	Potential
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013 and 2014).	Gross solids still present.	Potential
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012 and 2013).	Gross solids still present.	Potential
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential
05-14	Potential	Persistent gross solids in upstream manhole.	Gross solids still present.	Potential
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential

<b>Outfall</b>	<b>2015 Classification</b>	<b>2015 Reason</b>	<b>2016 Observations</b>	<b>2016 Classification</b>
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential
08-364	Potential	Persistent gross solids in upstream manhole (also present in 2011).	Gross solids still present.	Potential
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2011 and 2014).	Gross solids still present.	Potential
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012 and 2014).	Gross solids still present.	Potential
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2014).	Gross solids still present.	Potential
16-142	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2012 and 2014).	Gross solids still present.	Potential
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Gross solids still present.	Potential
16-1508	Potential	Ammonia in upstream manhole (also present in 2013 and 2014).	Ammonia not detected	Unlikely
12-1328a	Obvious	Elevated pH, conductivity and ammonia traced to upstream property.	Elevated pH.	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

Three outfalls showed signs of damage that may require attention in the near future. Observed damage included corrosion on corrugated metal pipes, pipe joint displacement, and displaced manhole castings.

The outfall damage that was observed during the ongoing screening program is summarized in Table 6.

**Table 6 – Outfalls with damage**

Outfall	Severity	Description
03-293	Minor	Corrosion of corrugated metal pipe.
06-221 US1	Minor	Casting displaced 2 inches.
14-999	Minor	4" joint displacement at end section of pipe.

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 19 – Corrosion at outfall 03-293 (minor damage)**



**Figure 20 – Displaced casting at manhole 06-221 US1 (minor damage)**



**Figure 21 – 4" joint displacement at outfall 14-999 (minor damage)**

## Deposition

Seven 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 7.

**Table 7 – Outfalls with deposition**

<b>Outfall</b>	<b>Severity</b>	<b>Description</b>
11-1097 US1	Minor	5" of sediment in manhole.
13-1098	Severe	16" of sediment at end of pipe.
13-1758	Moderate	13" of sediment on apron.
14-1514	Moderate	10" of stone in pipe.
15-2409	Minor	1" of sediment in pipe and on apron.
16-381	Moderate	10" of sediment on submerged apron.
16-47 US2	Minor	3" of sediment in bottom of catchbasin.

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 22 – Minor deposition in manhole 11-1097 US1**



**Figure 23 – Severe deposition at outfall 13-1098**





**Figure 24 – Moderate deposition at outfall 13-1758**



**Figure 25 – Moderate deposition in outfall 14-1514**



**Figure 26 – Minor deposition at outfall 15-2409**



**Figure 27 – Moderate deposition at outfall 16-381**



**Figure 28 – Minor deposition at catchbasin 16-47 US2**

## **Erosion**

No erosion was observed near any of the outfalls that were screened under the 2016 screening program.

## Graffiti

Graffiti was observed in or around two outfalls. 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 8.

**Table 8 – Outfalls with graffiti**

Outfall	Severity	Description
12-569	Minor	Graffiti on bridge abutment adjacent to outfall.
16-1508	Moderate	Graffiti on bridge abutment adjacent to outfall.

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



**Figure 29 – Graffiti near outfall 12-569**



**Figure 30 – Graffiti near outfall 16-1508**

## 2017 ONGOING SCREENING PROGRAM

The 2016 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, the overall outfall classification was revised to:

- 46 priority outfalls
- 80 non-priority major outfalls
- 299 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 2017 outfall screening program:

- 46 priority outfalls
- 15 non-priority major outfalls
- 30 non-priority non-major outfalls

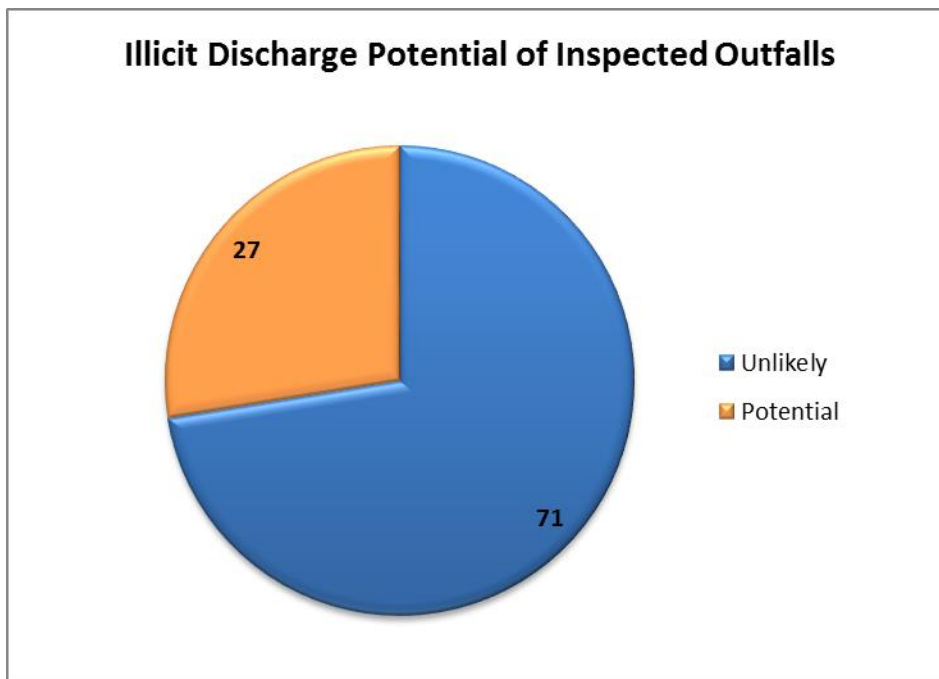


In addition, the 11 non-priority outfalls that had potential or obvious illicit discharges will also be rescreened, bringing the 2017 total to 102 outfalls.

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

## CONCLUSION

OMNNI assisted the City of Oshkosh with the 2016 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 98 outfalls were screened, along with upstream monitoring locations when necessary. Of those 98 outfalls, 71 exhibited unlikely potential of past illicit discharges, and 27 were classified as “potential.” These results are summarized in Figure 31:



**Figure 31 – 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 26 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 2017 screening. This will help determine if the discharge of the solid waste into the storm sewer is ongoing. (Additional upstream manholes could also be inspected and cleaned if necessary.)
2. Jet the storm sewer upstream of outfall 03-81 to remove any accumulated petroleum residue, gross solids and sediment.

3. Perform a field investigation of the storm sewer upstream of outfall 03-81 (including televising, if necessary) to identify potential cross connections or other sources of the petroleum discharge.
4. Jet the storm sewer upstream of outfall 12-1328a to remove any remaining residue that may be contributing to the elevated pH in the discharge.

The ongoing screening also identified 3 outfalls with structural damage, 7 with deposition, and 2 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*

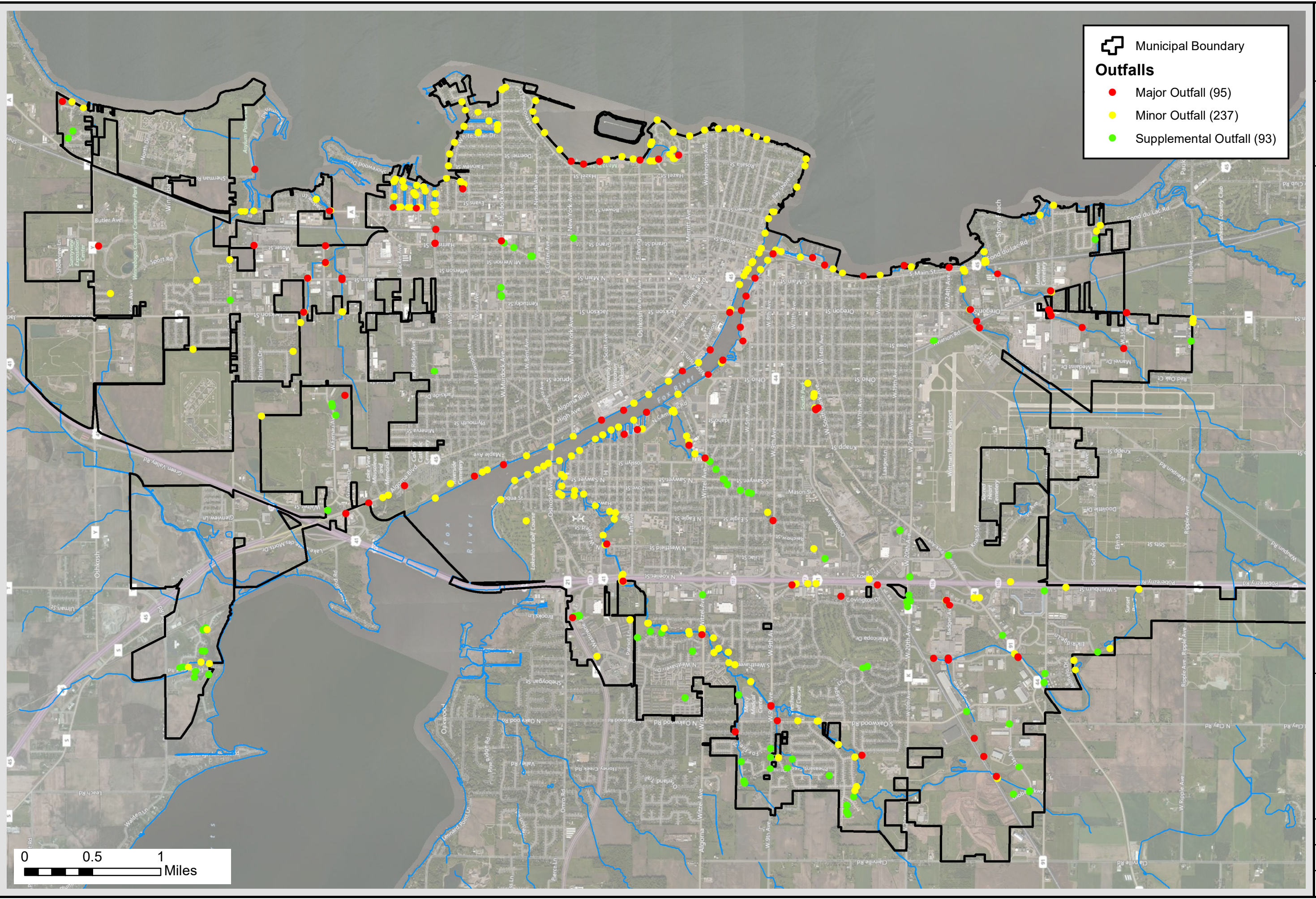
# **Appendix A**


## **MS4 Outfall Maps**

---


- A-1 MS4 Outfall Map
- A-2 2016 Outfall Inspection Map







 Municipal Boundary

**Outfalls**

 Major Outfall (95)

 Minor Outfall (237)

 Supplemental Outfall (93)



Project Manager: BDW

Project Engineer: JCW

Drawn By: JCW

Checked By: BDW

Date: 11/30/2016

2016 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP

CITY OF OSHKOSH  
WINNEBAGO COUNTY, WISCONSIN

 **Omni**  
ASSOCIATES

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

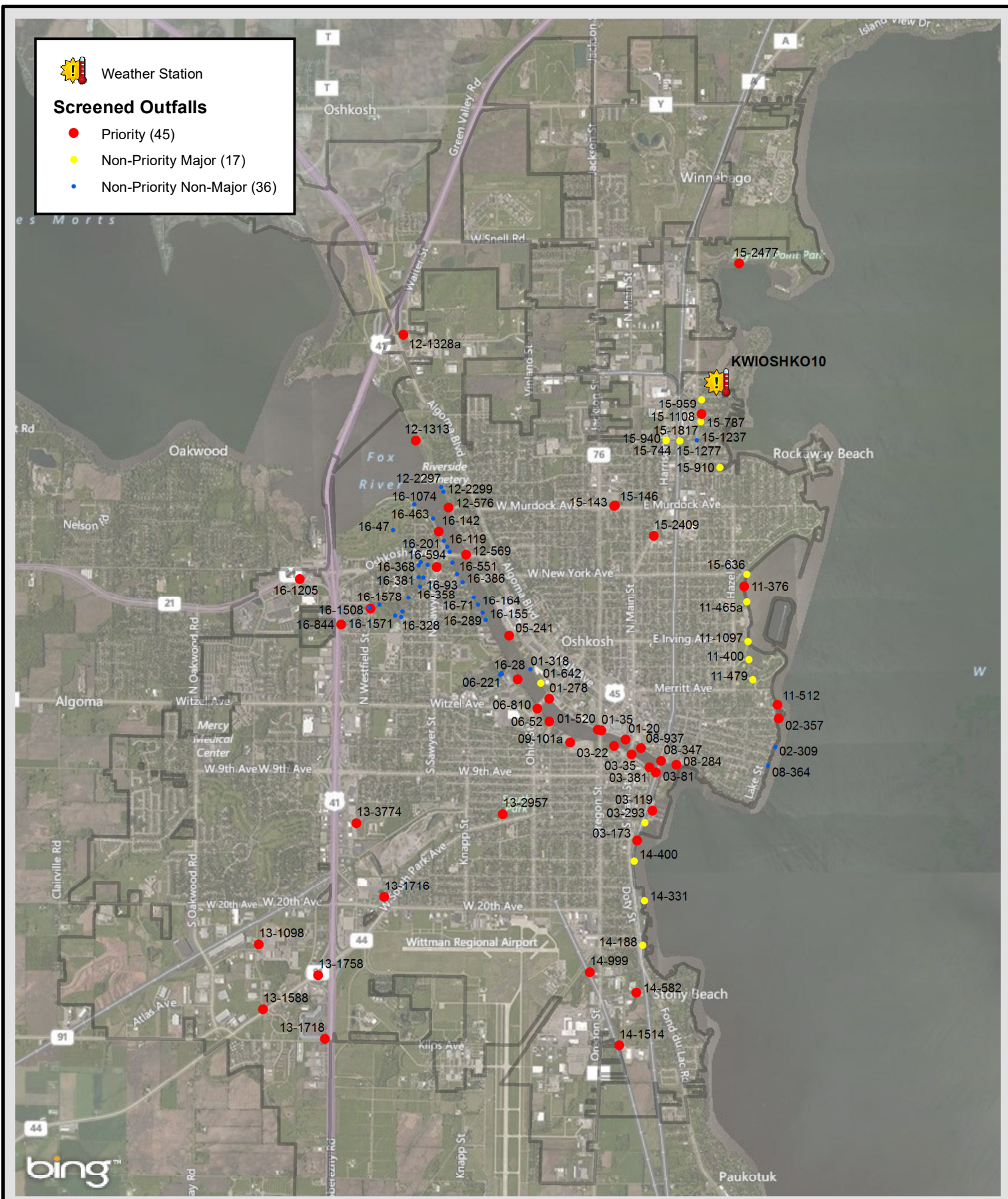
SCALE:  
1" = 3,333'

PROJECT NO.  
**N2029C16**

FIGURE NO.  
**A-1**

F:\EN\VI\O\DE\GIS\MS4Map\_11x17\_Oshkosh.mxd





 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p><b>2016 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>2016 OUTFALL INSPECTION MAP</b></p>		Project Manager: BDW	SCALE: 1" = 5,047'
				Project Engineer: JCW	PROJECT NO. <b>N2029C16</b>
		CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN		Drawn By: JCW Checked By: BDW	FIGURE NO. <b>A-2</b>
		Date: 11/28/2016			

## **Appendix B**

### Outfall Inspection Reports

---

## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20161018155156.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 472,017

Easting: 792,821

## Latitude/Longitude:

Latitude: 44.01437

Longitude: -88.53869

Inspection Date: 10/18/2016 3:53:25 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

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

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018155158.JPG

## 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

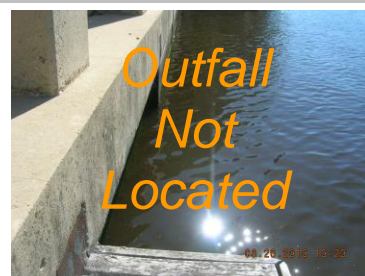


<b>Inspection Date:</b> 9/22/2015 1:39:24 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully      Depth (in):																																						
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Notes</b>            Outfall fully submerged and not located - screened at 01-20 US1.         </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>		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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Temperature:	-- °F																																					
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Detergents:	-- mg/L																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b> </div>																																				
		<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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
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Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					



o20150922124202.JPG

<b>Inspection Date:</b> 8/26/2010 10:29:06 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully      Depth (in):																																						
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Notes</b>            Outfall fully submerged and not physically located. Outfall screened upstream at 01-20 US2.         </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>		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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Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					



o20100826102034.JPG

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

01-20

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018155314.JPG

**Outfall Notes:**

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

**Mapping Precision:**
☐ Not Physically Located
**County Coordinates:**

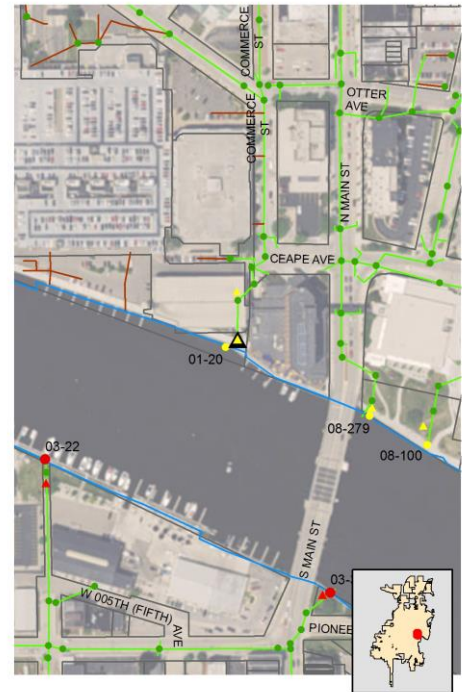
Northing: 472,036

Easting: 792,850

**Latitude/Longitude:**

Latitude: 44.01442

Longitude: -88.53858

**Location Map**

**Inspection Date:** 10/18/2016 3:55:35 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 60

**Notes:****Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

☐ Green

Gross Solids: Moderate

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161018155322.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-67

Time Collected: 15:54

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.36 units

Temperature (field): 66 °F

Conductivity (field): 365 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

<b>Inspection Date:</b> 9/22/2015 1:45:55 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150922124656.JPG</p>	
<b>Submerged:</b> Fully		<b>Depth (in):</b> 63					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
<b>Sample Location:</b> Pool		<b>Floatables:</b> None		<b>Graffiti:</b> None			
<b>Total Chlorine:</b> 0 ppm		<b>Odor:</b> None		<b>Erosion:</b> None			
<b>Free Chlorine:</b> 0 ppm		<b>Turbidity:</b> None		<b>Damage:</b> None			
<b>Ammonia:</b> 0 ppm		<b>Color:</b> None		<b>Deposition:</b> None in.			
<b>pH:</b> 8.8 units		<b>Gross Solids:</b> None					
<b>Temperature:</b> 77 °F		<b>Vegetation:</b> None					
<b>Conductivity:</b> 338 µS/cm		<b>Benthic Growth:</b> None					
<b>Detergents:</b> 0 mg/L		<b>Stains:</b> None					
		<b>Non-illicit:</b> None					

## 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):



o20161018152726.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 472,359

Easting: 791,866

## Latitude/Longitude:

Latitude: 44.01531

Longitude: -88.54232

Inspection Date: 10/18/2016 3:28:46 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall not located and assumed submerged - screened upstream at 01-35 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018152728.JPG

## 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



<b>Inspection Date:</b> 9/22/2015 1:55:35 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150922125816.JPG</p>	
Submerged: Fully		Depth (in):		Outfall under walkway and not physically located during this screening - screened at 01-35 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 10/9/2014 8:27:56 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20141009072648.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 01-35 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 8/25/2010 12:28:17 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100825122350.JPG</p>	
Submerged: Partially		Depth (in): 15		Outfall partially submerged. Outfall screened upstream at 01-35 US1. Estimated submerged depth.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Osh09_DSCN6709.JPG</p>	
Submerged: Partially		Depth (in): 21					
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

01-35

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018152954.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 472,431

Easting: 791,868

**Latitude/Longitude:**

Latitude: 44.01551

Longitude: -88.54231

**Inspection Date:** 10/18/2016 3:33:29 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 16

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

☐ Green

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161018153008.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-137

Time Collected: 15:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.18 units

Temperature (field): 66 °F

Conductivity (field): 380 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

<b>Inspection Date:</b> 9/22/2015 1:59:06 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 17		<div style="border: 1px solid black; height: 60px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 8.43 units  Temperature: 76 °F  Conductivity: 337 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20150922130010.JPG																						

<b>Inspection Date:</b> 10/9/2014 8:31:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 12		<div style="border: 1px solid black; height: 60px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.96 units  Temperature: 54 °F  Conductivity: 413 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	None																					
Non-illicit:	None																					
 o20141009073000.JPG																						

<b>Inspection Date:</b> 8/25/2010 12:35:05 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 18		<div style="border: 1px solid black; height: 60px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.99 units  Temperature: 76 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	Faint in bottle																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
 o20100825122544.JPG																						

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 14		<div style="border: 1px solid black; height: 60px; width: 100%;"></div> <b>Notes</b> Abnormal detergent analysis result (bubbles)																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: -- ppm  pH: 8.61 units  Temperature: 78 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 Osh09_DSCN6712.JPG																						

## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

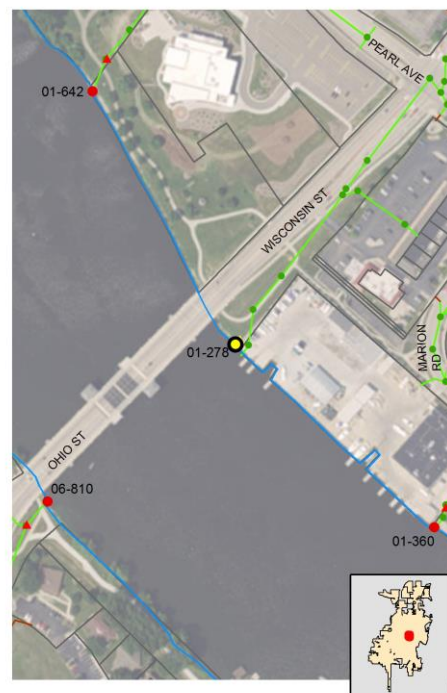


o20161018151650.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 473,601

Easting: 789,812

## Latitude/Longitude:

Latitude: 44.01871

Longitude: -88.55013

Inspection Date: 10/18/2016 3:17:25 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

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

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018151658.JPG

## 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



<b>Inspection Date:</b> 9/22/2015 2:31:24 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not located - screened at 01-278 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
 o20150922133514.JPG				

<b>Inspection Date:</b> 8/25/2010 1:23:51 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not physically located. Outfall screened upstream at 01-278 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 o20100825131702.JPG				

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not physically located. Outfall screened upstream at 01-278 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 Osh09_DSCN6704.JPG				

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

01-278

**Dimensions**

Diameter (in):

Height/Depth (in):

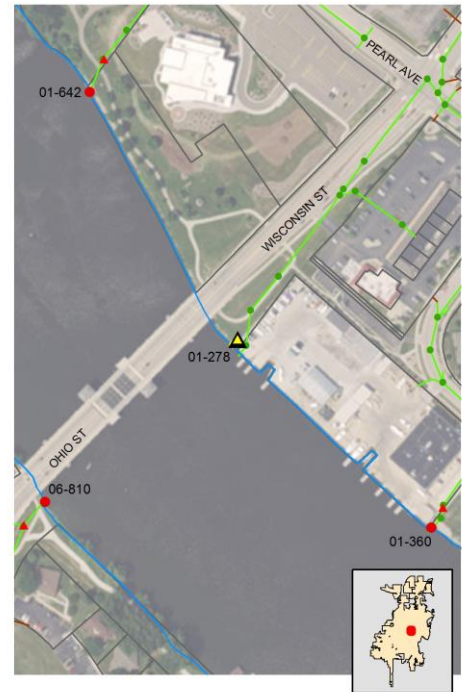
Width (in):



o20161018151730.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 473,614

Easting: 789,824

**Latitude/Longitude:**

Latitude: 44.01875

Longitude: -88.55009

**Inspection Date:** 10/18/2016 3:20:17 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 42

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018151736.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-105

Time Collected: 15:19

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.34 units


Temperature (field): 67 °F

Conductivity (field): 978 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/22/2015 2:34:48 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 47																																				
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.76 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>541 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.76 units	Temperature:	75 °F	Conductivity:	541 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.76 units																																					
Temperature:	75 °F																																					
Conductivity:	541 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					
		 <p style="text-align: center;">o20150922133640.JPG</p>																																				

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

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 48																																				
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> </tr> <tr> <td>pH:</td> <td>7.81 units</td> </tr> <tr> <td>Temperature:</td> <td>76 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	7.81 units	Temperature:	76 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: center;">Osh09_DSCN6706.JPG</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:**

CMP

**City ID:**

N/A

**Dimensions**

Diameter (in): 30

Height/Depth (in):

Width (in):



o20161010160642.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 474,763

Easting: 789,072

**Latitude/Longitude:**

Latitude: 44.02190

Longitude: -88.55295

**Inspection Date:** 10/10/2016 4:08:04 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 01-318 US1.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-upFloatables:  ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor:  ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids:  ☐ Litter ☐ 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: None Depth (in):

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

o20161010160646.JPG

**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

<b>Inspection Date:</b> 9/22/2015 3:11:00 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150922141210.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 01-318 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 8/25/2010 1:56:39 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100825134846.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 01-318 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

01-656

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161010160816.JPG

**Outfall Notes:**

Upstream catchbasin located approx 27 ft E of outfall 01-318. Intermediate area consists of open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 474,788

Easting: 789,092

**Latitude/Longitude:**

Latitude: 44.02197

Longitude: -88.55287

**Inspection Date:** 10/10/2016 4:10:58 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 67

**Notes:** Grate could not be opened - no sample collected. Next upstream manhole not located.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

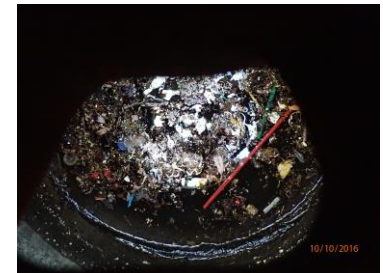
☐ Natural Sheen☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage

o20161010160844.JPG

**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

<b>Inspection Date:</b> 9/22/2015 3:14:23 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 68																																				
<b>Sampling Results</b> <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>8.9 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>334 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:	8.9 units	Temperature:	75 °F	Conductivity:	334 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>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> Floating gross solids (litter) in manhole.																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
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Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					
		 o20150922141626.JPG																																				

<b>Inspection Date:</b> 8/25/2010 1:58:46 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 50																																				
<b>Sampling Results</b> <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>74 °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:	7.44 units	Temperature:	74 °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>Slight</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:	Slight	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	Moderate 4 in.																																					
		 o20100825135010.JPG																																				

## 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):



o20161018153648.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.)

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 472,395

Easting: 791,740

## Latitude/Longitude:

Latitude: 44.01541

Longitude: -88.54280

Inspection Date: 10/18/2016 3:38:45 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 33

Notes: Outfall fully submerged - screened upstream at 01-520 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Severe

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018153652.JPG

## 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




<b>Inspection Date:</b> 9/22/2015 2:05:49 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged and not located during this screening - screened at 01-520 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Damage: None		
		Deposition: None in.		




o20150922130830.JPG

<b>Inspection Date:</b> 10/9/2014 8:38:02 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 56		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged - screened upstream at 01-520 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Damage: None		
		Deposition: None in.		




o20141009073704.JPG

<b>Inspection Date:</b> 9/5/2013 12:59:39 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 49		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged. Outfall screened upstream at 01-520 US1. 2012 screening follow-up. Gross solids in upstream mh.		
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		
		Damage: None		
		Deposition: None in.		



o20130905120336.JPG

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



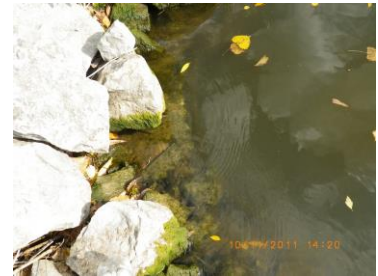
o20120927085734.JPG

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



o20120621092646.JPG

<b>Inspection Date:</b> 10/11/2011 2:19:37 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 01-520 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



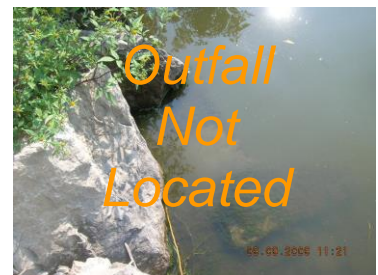
o20111011142004.JPG

<b>Inspection Date:</b> 8/25/2010 12:43:21 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20100825123724.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 56		
<b>Sampling Results</b>		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



Osh09\_DSCN6715.JPG

**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):



o20161018153902.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.)

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 472,419

Easting: 791,742

**Latitude/Longitude:**

Latitude: 44.01547

Longitude: -88.54279

**Inspection Date:** 10/18/2016 3:42:40 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 67

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161018153916.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-138

Time Collected: 15:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.16 units

Temperature (field): 66 °F

Conductivity (field): 531 µS/cm

Detergents: 0 mg/L

**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage



<b>Inspection Date:</b> 9/22/2015 2:08:37 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 70		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20150922130946.JPG

<b>Inspection Date:</b> 10/9/2014 8:42:09 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 64		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) inside manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20141009073910.JPG

<b>Inspection Date:</b> 9/5/2013 1:02:45 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 69		
<b>Sampling Results</b>		<b>Notes</b> 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			




o20130905120924.JPG

<b>Inspection Date:</b> 9/27/2012 9:57:25 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 69		
<b>Sampling Results</b>		<b>Notes</b> 2011 gross solids follow-up.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			




o20120927085918.JPG

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




o20120621092424.JPG

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




o20111011142110.JPG

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




o20110526111400.JPG

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



o20100825124708.JPG



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

Osh09\_DSCN6718.JPG

## 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): 60

Width (in): 96

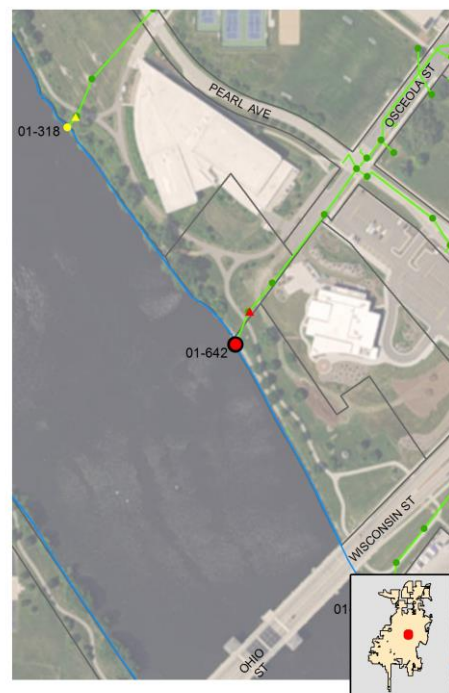


o20161010161508.JPG

## Outfall Notes:

Storm sewer from Pearl Ave discharges to river from east. Replaces outfall 01-329 (2011).

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,225

Easting: 789,474

## Latitude/Longitude:

Latitude: 44.02042

Longitude: -88.55142

Inspection Date: 10/10/2016 4:17:53 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 60

Notes: Outfall fully submerged - screened upstream at 01-642 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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


o20161010161508.JPG

## 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

<b>Inspection Date:</b> 9/24/2015 11:22:55 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged - screened at 01-642 US1.		 o20150924102710.JPG	
Submerged: Fully		Depth (in):					
<b>Sampling Results</b>		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			
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:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

01-642

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161010161628.JPG

**Outfall Notes:**

Upstream manhole located approx 87 ft NNE of outfall 01-329. Intermediate area consists of open park space and shoreline.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 474,305

Easting: 789,510

**Latitude/Longitude:**

Latitude: 44.02064

Longitude: -88.55128

**Inspection Date:** 10/10/2016 4:18:29 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 59

**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Green

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ Natural Sheen☐ Natural Suds/Foam

o20161010161634.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-31

Time Collected: 16:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.37 units

Temperature (field): 68 °F

Conductivity (field): 369 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

<b>Inspection Date:</b> 9/24/2015 11:20:01 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150924101848.JPG</p>	
Submerged: Fully		Depth (in): 66		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None in.			
pH: 7.61 units		Gross Solids: Moderate					
Temperature 71 °F		Vegetation: None					
Conductivity: 481 µS/cm		Benthic Growth: None					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: Slight					



## 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

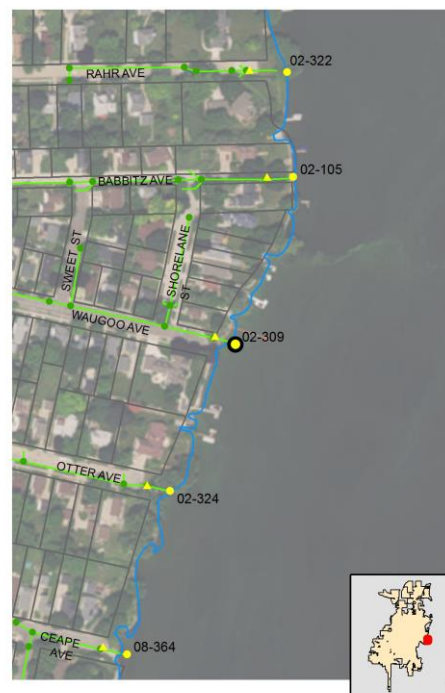


o20161010102910.JPG

## 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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 471,714

Easting: 798,728

## Latitude/Longitude:

Latitude: 44.01354

Longitude: -88.51624

Inspection Date: 10/10/2016 10:29:27 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

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

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010102916.JPG

## 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



<b>Inspection Date:</b> 9/22/2015 7:50:13 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located - screened upstream at 02-309 US1.	 o20150922065432.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/3/2011 9:44:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.	 o20111003094448.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 5/10/2011 8:25:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.	 o20110510082548.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

**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):



o20161010103224.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,734

Easting: 798,678

**Latitude/Longitude:**

Latitude: 44.01360

Longitude: -88.51643

**Inspection Date:** 10/10/2016 10:35:02 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 28

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010103236.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-11

Time Collected: 10:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.54 units

Temperature (field): 64 °F

Conductivity (field): 592 µS/cm


Detergents: 0 mg/L

<b>Inspection Date:</b> 9/22/2015 7:50:50 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 28		
<u>Sampling Results</u>		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:	Slight	
Temperature	66 °F	Vegetation:	None	
Conductivity:	853 µS/cm	Benthic Growth:	Slight	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None in.	




o20150922065636.JPG

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



o20111003094830.JPG

<b>Inspection Date:</b> 5/10/2011 8:27:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
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	
		Damage:	None	
		Deposition:	None 0 in.	



o20110510082708.JPG



## 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

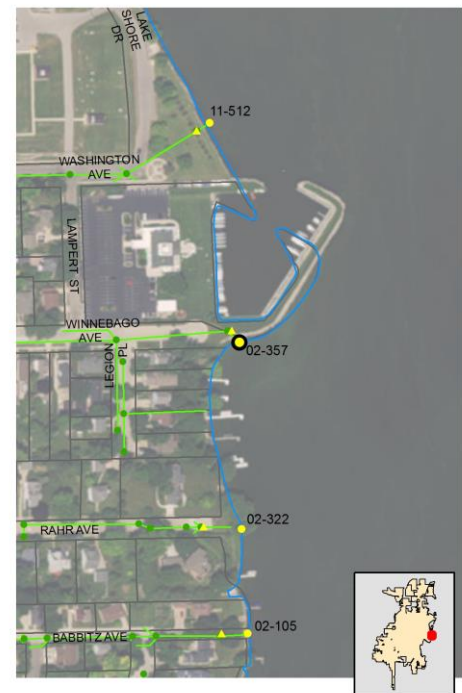


o20161010105236.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 472,832

Easting: 798,869

## Latitude/Longitude:

Latitude: 44.01661

Longitude: -88.51570

Inspection Date: 10/10/2016 10:53:43 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

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

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161010105240.JPG

## 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

<b>Inspection Date:</b> 9/22/2015 7:14:30 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 02-357 US1.	
<b>Submerged:</b> Fully <b>Depth (in):</b>				
<b>Sampling Results</b> Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	



o20150922061856.JPG

<b>Inspection Date:</b> 10/9/2014 12:37:08 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 02-357 US1.	
<b>Submerged:</b> Fully <b>Depth (in):</b>				
<b>Sampling Results</b> Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	



o20141009113806.JPG

<b>Inspection Date:</b> 9/27/2012 8:29:10 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<b>Notes</b> Outfall fully submerged; screened upstream at 02-357 US1.	
<b>Submerged:</b> Fully <b>Depth (in):</b>				
<b>Sampling Results</b> Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	



o20120927073330.JPG

<b>Inspection Date:</b> 6/20/2012 8:05:53 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<b>Notes</b> Gross solids pre-screening. Outfall fully submerged; screened upstream at 02-357 US1.	
<b>Submerged:</b> Fully <b>Depth (in):</b>				
<b>Sampling Results</b> Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	



o20120620070830.JPG



<b>Inspection Date:</b> 10/3/2011 10:26:14 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 02-357 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20111003102714.JPG

<b>Inspection Date:</b> 5/10/2011 8:51:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		<b>Notes</b> 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:	None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20110510085116.JPG

## 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):



o20161010105428.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 472,861

Easting: 798,850

## Latitude/Longitude:

Latitude: 44.01669

Longitude: -88.51577

Inspection Date: 10/10/2016 10:57:04 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 37

Notes: Potential illicit discharge due to gross solids.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate ☒ Litter ☐ 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

o20161010105436.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-24

Time Collected: 10:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.54 units

Temperature (field): 65 °F

Conductivity (field): 654 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


<b>Inspection Date:</b> 9/22/2015 7:15:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 39		
<b>Sampling Results</b>		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Sample Location:</b> Pool</p> <p><b>Total Chlorine:</b> 0 ppm</p> <p><b>Free Chlorine:</b> 0 ppm</p> <p><b>Ammonia:</b> 0 ppm</p> <p><b>pH:</b> 7.84 units</p> <p><b>Temperature:</b> 65 °F</p> <p><b>Conductivity:</b> 459 µS/cm</p> <p><b>Detergents:</b> 0 mg/L</p> </div> <div> <p><b>Floatables:</b> None</p> <p><b>Odor:</b> None</p> <p><b>Turbidity:</b> None</p> <p><b>Color:</b> None</p> <p><b>Gross Solids:</b> Moderate</p> <p><b>Vegetation:</b> None</p> <p><b>Benthic Growth:</b> None</p> <p><b>Stains:</b> None</p> <p><b>Non-illicit:</b> None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Notes</b></p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p><b>Condition Assessment</b></p> <p><b>Graffiti:</b> None</p> <p><b>Erosion:</b> None</p> <p><b>Damage:</b> None</p> <p><b>Deposition:</b> None in.</p> </div> </div>		
		 <p style="text-align: right; font-size: small;">o20150922061944.JPG</p>		

<b>Inspection Date:</b> 10/9/2014 12:40:37 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 35		
<b>Sampling Results</b>		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Sample Location:</b> Pool</p> <p><b>Total Chlorine:</b> 0 ppm</p> <p><b>Free Chlorine:</b> 0 ppm</p> <p><b>Ammonia:</b> 0 ppm</p> <p><b>pH:</b> 7.58 units</p> <p><b>Temperature:</b> 62 °F</p> <p><b>Conductivity:</b> 707 µS/cm</p> <p><b>Detergents:</b> 0 mg/L</p> </div> <div> <p><b>Floatables:</b> None</p> <p><b>Odor:</b> None</p> <p><b>Turbidity:</b> None</p> <p><b>Color:</b> None</p> <p><b>Gross Solids:</b> Moderate</p> <p><b>Vegetation:</b> None</p> <p><b>Benthic Growth:</b> None</p> <p><b>Stains:</b> None</p> <p><b>Non-illicit:</b> None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Notes</b></p> <p>Floating gross solids (litter) in manhole.</p> </div> <div> <p><b>Condition Assessment</b></p> <p><b>Graffiti:</b> None</p> <p><b>Erosion:</b> None</p> <p><b>Damage:</b> None</p> <p><b>Deposition:</b> None in.</p> </div> </div>		
		 <p style="text-align: right; font-size: small;">o20141009113842.JPG</p>		

<b>Inspection Date:</b> 9/27/2012 8:31:15 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 36		
<b>Sampling Results</b>		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Sample Location:</b> Pool</p> <p><b>Total Chlorine:</b> 0 ppm</p> <p><b>Free Chlorine:</b> 0 ppm</p> <p><b>Ammonia:</b> 0 ppm</p> <p><b>pH:</b> 7.73 units</p> <p><b>Temperature:</b> 60 °F</p> <p><b>Conductivity:</b> 518 µS/cm</p> <p><b>Detergents:</b> 0 mg/L</p> </div> <div> <p><b>Floatables:</b> None</p> <p><b>Odor:</b> None</p> <p><b>Turbidity:</b> None</p> <p><b>Color:</b> None</p> <p><b>Gross Solids:</b> Slight</p> <p><b>Vegetation:</b> None</p> <p><b>Benthic Growth:</b> None</p> <p><b>Stains:</b> None</p> <p><b>Non-illicit:</b> None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Notes</b></p> <p>2011 gross solids follow-up.</p> </div> <div> <p><b>Condition Assessment</b></p> <p><b>Graffiti:</b> None</p> <p><b>Erosion:</b> None</p> <p><b>Damage:</b> None</p> <p><b>Deposition:</b> None in.</p> </div> </div>		
		 <p style="text-align: right; font-size: small;">o20120927073352.JPG</p>		

<b>Inspection Date:</b> 6/20/2012 8:08:37 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 43		
<b>Sampling Results</b>		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Sample Location:</b> --</p> <p><b>Total Chlorine:</b> -- ppm</p> <p><b>Free Chlorine:</b> -- ppm</p> <p><b>Ammonia:</b> -- ppm</p> <p><b>pH:</b> -- units</p> <p><b>Temperature:</b> -- °F</p> <p><b>Conductivity:</b> -- µS/cm</p> <p><b>Detergents:</b> -- mg/L</p> </div> <div> <p><b>Floatables:</b> None</p> <p><b>Odor:</b> None</p> <p><b>Turbidity:</b> None</p> <p><b>Color:</b> None</p> <p><b>Gross Solids:</b> Moderate</p> <p><b>Vegetation:</b> None</p> <p><b>Benthic Growth:</b> Slight</p> <p><b>Stains:</b> None</p> <p><b>Non-illicit:</b> None</p> </div> </div>		
		<div style="display: flex; justify-content: space-between;"> <div> <p><b>Notes</b></p> <p>Gross solids pre-screening.</p> </div> <div> <p><b>Condition Assessment</b></p> <p><b>Graffiti:</b> None</p> <p><b>Erosion:</b> None</p> <p><b>Damage:</b> None</p> <p><b>Deposition:</b> None in.</p> </div> </div>		
		 <p style="text-align: right; font-size: small;">o20120620070908.JPG</p>		

<b>Inspection Date:</b> 10/3/2011 10:30:08 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in): 39																				
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.1 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>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Severe																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
		<b>Notes</b> Significant floatable debris in manhole.																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																				
		 o20111003103104.JPG																				

<b>Inspection Date:</b> 5/10/2011 8:51:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in):																				
<b>Sampling Results</b> 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>Severe</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:	Severe	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Floatables:	None																					
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:	Severe																					
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
		<b>Notes</b> Limited screening conducted for upstream manhole prescreening.																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																				
		 o20110510085154.JPG																				



## 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

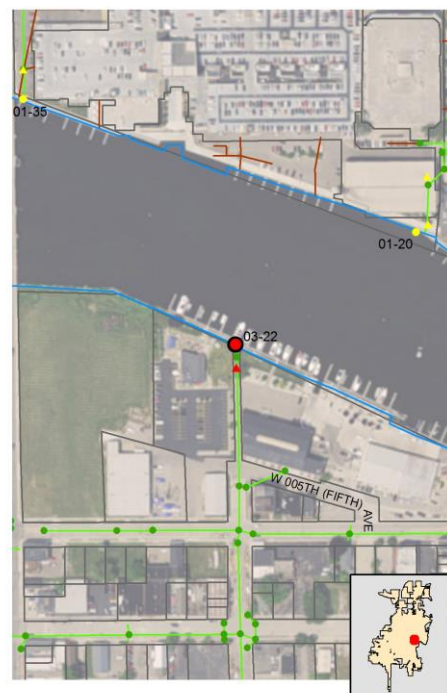


o20161018160256.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 471,751

Easting: 792,375

## Latitude/Longitude:

Latitude: 44.01364

Longitude: -88.54039

Inspection Date: 10/18/2016 4:04:35 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall not located and assumed submerged - screened upstream at 03-22 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018160304.JPG

## 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


<b>Inspection Date:</b> 9/23/2015 7:47:01 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Significant sinking above suspected pipe. Outfall not located - screened at 03-22 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Severe Deposition: None in.	
 o20150923065132.JPG				

<b>Inspection Date:</b> 10/9/2014 9:47:52 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 03-22 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
 o20141009084834.JPG				

<b>Inspection Date:</b> 7/31/2013 12:40:04 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
 o20130731114434.JPG				


<b>Inspection Date:</b> 9/27/2012 9:26:54 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged; screened upstream at 03-22 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
 o20120927082846.JPG				

<b>Inspection Date:</b> 6/20/2012 9:22:09 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Fully      Depth (in):			Gross solids pre-screening.	
<b>Sampling Results</b>			<b>Condition Assessment</b>	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Damage: None	
Ammonia: -- ppm	Color:	None	Deposition: None in.	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		




o20120620082248.JPG

<b>Inspection Date:</b> 10/11/2011 9:03:10 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Fully      Depth (in):			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
<b>Sampling Results</b>			<b>Condition Assessment</b>	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Damage: None	
Ammonia: -- ppm	Color:	None	Deposition: None 0 in.	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		




o20111011090250.JPG

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



o20100818101918.JPG

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



Osh09\_DSCN6765.JPG



**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):



o20161018160424.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,694

Easting: 792,376

**Latitude/Longitude:**

Latitude: 44.01348

Longitude: -88.54038

**Inspection Date:** 10/18/2016 4:06:54 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 44

**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161018160430.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-86

Time Collected: 16:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.15 units

Temperature (field): 66 °F

Conductivity (field): 403 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




<b>Inspection Date:</b> 9/23/2015 7:51:33 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+																									
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150923065324.JPG																									
Submerged: Fully		Depth (in): 46		Floating gross solids (litter) in manhole.																											
<b>Sampling Results</b>		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<b>Condition Assessment</b>									
Floatables:	None																														
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Turbidity:	None																														
Color:	None																														
Gross Solids:	Moderate																														
Vegetation:	None																														
Benthic Growth:	None																														
Stains:	None																														
Non-illicit:	None																														
<table border="1"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.44 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>354 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:	8.44 units	Temperature:	70 °F	Conductivity:	354 µS/cm	Detergents:	0 mg/L			<table border="1"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.		
Sample Location:	Pool																														
Total Chlorine:	0 ppm																														
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pH:	8.44 units																														
Temperature:	70 °F																														
Conductivity:	354 µS/cm																														
Detergents:	0 mg/L																														
Graffiti:	None																														
Erosion:	None																														
Damage:	None																														
Deposition:	None in.																														

<b>Inspection Date:</b> 10/9/2014 9:52:24 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+																									
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20141009085040.JPG																									
Submerged: Fully		Depth (in): 40		Floatable litter in catchbasin.																											
<b>Sampling Results</b>		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<b>Condition Assessment</b>									
Floatables:	None																														
Odor:	None																														
Turbidity:	None																														
Color:	Faint in bottle																														
Gross Solids:	Severe																														
Vegetation:	None																														
Benthic Growth:	None																														
Stains:	None																														
Non-illicit:	None																														
<table border="1"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.79 units</td></tr> <tr><td>Temperature:</td><td>57 °F</td></tr> <tr><td>Conductivity:</td><td>442 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:	7.79 units	Temperature:	57 °F	Conductivity:	442 µS/cm	Detergents:	0 mg/L			<table border="1"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.		
Sample Location:	Pool																														
Total Chlorine:	0 ppm																														
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pH:	7.79 units																														
Temperature:	57 °F																														
Conductivity:	442 µS/cm																														
Detergents:	0 mg/L																														
Graffiti:	None																														
Erosion:	None																														
Damage:	None																														
Deposition:	None in.																														

<b>Inspection Date:</b> 7/31/2013 12:42:35 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+																									
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20130731114610.JPG																									
Submerged: Fully		Depth (in): 44		2012 screening follow-up. Significant gross solids - similar to previous years.																											
<b>Sampling Results</b>		<table border="1"> <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>		Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<b>Condition Assessment</b>									
Floatables:	None																														
Odor:	Faint																														
Turbidity:	None																														
Color:	Faint in bottle																														
Gross Solids:	Severe																														
Vegetation:	None																														
Benthic Growth:	None																														
Stains:	None																														
Non-illicit:	None																														
<table border="1"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.95 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>450 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:	7.95 units	Temperature:	76 °F	Conductivity:	450 µS/cm	Detergents:	0 mg/L			<table border="1"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.		
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Conductivity:	450 µS/cm																														
Detergents:	0 mg/L																														
Graffiti:	None																														
Erosion:	None																														
Damage:	None																														
Deposition:	None in.																														


<b>Inspection Date:</b> 9/27/2012 9:27:45 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+																									
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20120927082922.JPG																									
Submerged: Fully		Depth (in): 39		2011 gross solids follow-up.																											
<b>Sampling Results</b>		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<b>Condition Assessment</b>									
Floatables:	None																														
Odor:	None																														
Turbidity:	None																														
Color:	None																														
Gross Solids:	Severe																														
Vegetation:	None																														
Benthic Growth:	None																														
Stains:	None																														
Non-illicit:	None																														
<table border="1"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.32 units</td></tr> <tr><td>Temperature:</td><td>59 °F</td></tr> <tr><td>Conductivity:</td><td>398 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:	8.32 units	Temperature:	59 °F	Conductivity:	398 µS/cm	Detergents:	0 mg/L			<table border="1"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.		
Sample Location:	Pool																														
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Conductivity:	398 µS/cm																														
Detergents:	0 mg/L																														
Graffiti:	None																														
Erosion:	None																														
Damage:	None																														
Deposition:	None in.																														

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




o20120620082508.JPG

<b>Inspection Date:</b> 10/11/2011 9:05:50 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Fully      Depth (in): 37			2010 screening follow-up. No significant change in volume of floatable debris.	
<b>Sampling Results</b>			<b>Condition Assessment</b>	
Sample Location: Pool	Floatables:	None	Graffiti: None	
Total Chlorine: 0 ppm	Odor:	None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity:	None	Damage: None	
Ammonia: 0 ppm	Color:	None	Deposition: None 0 in.	
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		




o20111011090446.JPG

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




o20110526111930.JPG

<b>Inspection Date:</b> 8/18/2010 10:29:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Fully      Depth (in): 44			Severe floatable debris in catchbasin.	
<b>Sampling Results</b>			<b>Condition Assessment</b>	
Sample Location: Pool	Floatables:	None	Graffiti: None	
Total Chlorine: 0 ppm	Odor:	None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity:	None	Damage: None	
Ammonia: 0 ppm	Color:	Faint in bottle	Deposition: None 0 in.	
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

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

Osh09\_DSCN6768.JPG



## 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):

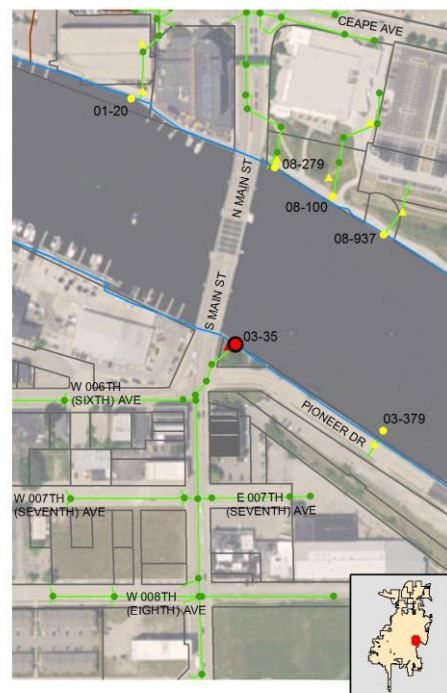


o20161010094928.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 471,413

Easting: 793,066

## Latitude/Longitude:

Latitude: 44.01271

Longitude: -88.53776

Inspection Date: 10/10/2016 9:52:05 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 03-35 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161010094930.JPG

## 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

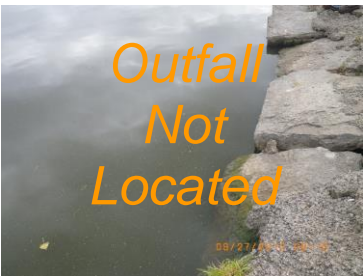
Detergents: -- mg/L




<b>Inspection Date:</b> 9/23/2015 7:34:32 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged and not located - screened at 03-35 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20150923063720.JPG				

<b>Inspection Date:</b> 10/9/2014 10:33:07 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged and not located - screened upstream at 03-35 US1		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20141009093222.JPG				

<b>Inspection Date:</b> 7/31/2013 12:30:28 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-35 US1. Gross solids in upstream mh.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20130731113304.JPG				


<b>Inspection Date:</b> 9/27/2012 9:13:17 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged; screened upstream at 03-35 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20120927081506.JPG				

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




o20120620080844.JPG

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




o20111011093254.JPG

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



o20100818092204.JPG

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



Osh09\_DSCN6761.JPG

**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):



o20161010094952.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,408

Easting: 793,047

**Latitude/Longitude:**

Latitude: 44.01270

Longitude: -88.53783

**Inspection Date:** 10/10/2016 9:52:43 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 32

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: Faint ☐ Petroleum ☒ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☒ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate ☒ Litter ☐ 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

o20161010094958.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-71

Time Collected: 09:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.54 units

Temperature (field): 63 °F

Conductivity (field): 391 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



<b>Inspection Date:</b> 9/23/2015 7:36:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 30		
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.64 units Temperature: 69 °F Conductivity: 359 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	<b>Notes</b> Floating gross solids (litter) in manhole.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 1 in.	 o20150923063950.JPG


<b>Inspection Date:</b> 10/9/2014 10:35:52 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 32		
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.86 units Temperature: 58 °F Conductivity: 476 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	<b>Notes</b> Vegetative debris in photo from opening lid.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 1 in.	 o20141009093356.JPG

<b>Inspection Date:</b> 7/31/2013 12:31:00 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 33		
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.47 units Temperature: 75 °F Conductivity: 425 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	<b>Notes</b> 2012 screening follow-up. Significant gross solids. Similar to previous years.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20130731113346.JPG

<b>Inspection Date:</b> 9/27/2012 9:13:54 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 31		
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.42 units Temperature: 59 °F Conductivity: 723 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	<b>Notes</b> 2011 gross solids follow-up.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 3 in.	 o20120927081522.JPG




<b>Inspection Date:</b> 6/20/2012 9:08:12 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Fully		Depth (in): 39	Gross solids pre-screening.	
<b>Sampling Results</b>		<b>Condition Assessment</b>		
Sample Location:	Floatables:	Gross Solids: Severe		
Total Chlorine: -- ppm	Odor:	Vegetation: None		
Free Chlorine: -- ppm	Turbidity:	Benthic Growth: None		
Ammonia: -- ppm	Color:	Stains: None		
pH: -- units	Gross Solids:	Non-illicit: None		
Temperature -- °F	Vegetation:	Deposition: None in.		
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			




o20120620080918.JPG

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




o20111011092832.JPG

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




o20110526112400.JPG

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



o20100818092304.JPG

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

## 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):

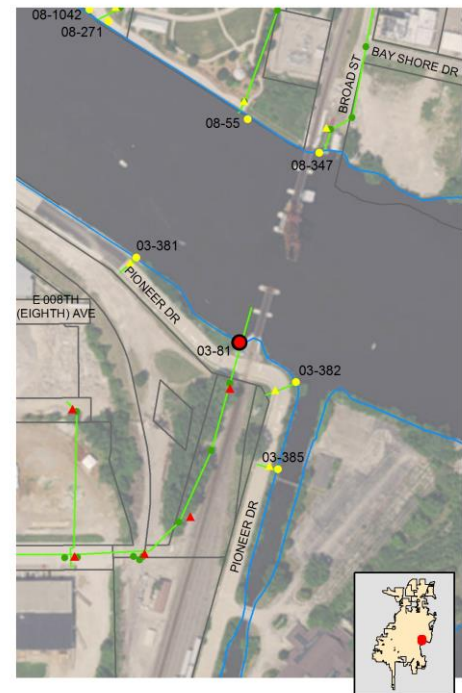


o20161010085804.JPG

## 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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 470,711

Easting: 794,023

## Latitude/Longitude:

Latitude: 44.01079

Longitude: -88.53412

Inspection Date: 10/10/2016 8:59:12 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 03-81 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010085808.JPG

## 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




<b>Inspection Date:</b> 9/23/2015 7:10:20 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 03-81 US1.	 o20150923061430.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      in.		

<b>Inspection Date:</b> 10/9/2014 10:00:10 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Obvious		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 03-81 US1.	 o20141009090032.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      in.		

<b>Inspection Date:</b> 10/11/2011 9:42:33 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	 o20111011094236.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

<b>Inspection Date:</b> 8/18/2010 8:38:23 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	 o20100818083116.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Obvious		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Osh09_DSCN6745.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

03-81

## Dimensions

Diameter (in):

Height/Depth (in):

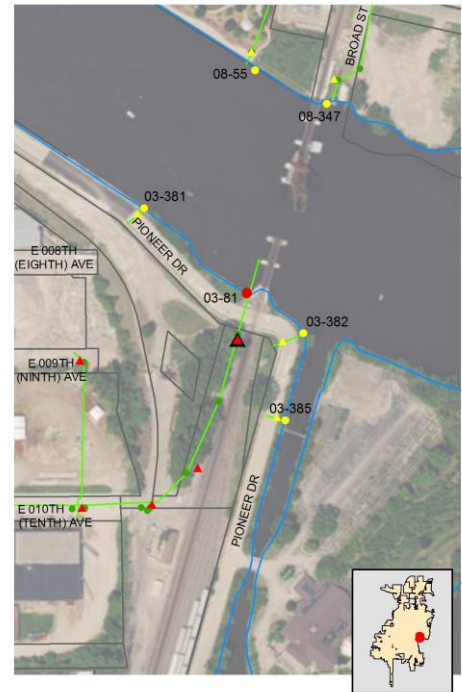
Width (in):



o20161010090126.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing:

470,599

Easting:

793,998

## Latitude/Longitude:

Latitude:

44.01048

Longitude:

-88.53421

Inspection Date: 10/10/2016 9:04:32 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 46

Notes: Potential illicit discharge due to gross solids and petroleum odor and sheen and elevated ammonia.

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: Moderate

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

Odor: Faint

☒ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010090136.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-23

Time Collected: 09:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 1 ppm


pH (field): 7.41 units


Temperature (field): 63 °F


Conductivity (field): 565 µS/cm


Detergents: 0 mg/L


<b>Inspection Date:</b> 9/23/2015 7:16:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
Submerged: Fully		Depth (in): 52																												
<b>Sampling Results</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None								
Floatables:	None																													
Odor:	None																													
Turbidity:	None																													
Color:	Faint in bottle																													
Gross Solids:	Slight																													
Vegetation:	None																													
Benthic Growth:	None																													
Stains:	Slight																													
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>1 ppm</td></tr> <tr><td>pH:</td><td>7.32 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>638 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	7.32 units	Temperature:	69 °F	Conductivity:	638 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><b>Condition Assessment</b></td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table>			<b>Condition Assessment</b>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.
Sample Location:	Pool																													
Total Chlorine:	0 ppm																													
Free Chlorine:	0 ppm																													
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pH:	7.32 units																													
Temperature:	69 °F																													
Conductivity:	638 µS/cm																													
Detergents:	0 mg/L																													
<b>Condition Assessment</b>																														
Graffiti:	None																													
Erosion:	None																													
Damage:	None																													
Deposition:	None in.																													
		 <p style="text-align: center;">o20150923061754.JPG</p>																												

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

<b>Inspection Date:</b> 10/11/2011 9:46:04 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
Submerged: Fully		Depth (in): 38																												
<b>Sampling Results</b>		<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								
Floatables:	None																													
Odor:	None																													
Turbidity:	None																													
Color:	None																													
Gross Solids:	Slight																													
Vegetation:	None																													
Benthic Growth:	None																													
Stains:	None																													
Non-illicit:	None																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0.25 ppm</td></tr> <tr><td>pH:</td><td>7.68 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.25 ppm	pH:	7.68 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><b>Condition Assessment</b></td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table>			<b>Condition Assessment</b>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool																													
Total Chlorine:	0 ppm																													
Free Chlorine:	0 ppm																													
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pH:	7.68 units																													
Temperature:	71 °F																													
Conductivity:	-- µS/cm																													
Detergents:	-- mg/L																													
<b>Condition Assessment</b>																														
Graffiti:	None																													
Erosion:	None																													
Damage:	None																													
Deposition:	None 0 in.																													
		 <p style="text-align: center;">o20111011094434.JPG</p>																												

<b>Inspection Date:</b> 5/26/2011 11:29:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
Submerged: Fully		Depth (in):																												
<b>Sampling Results</b>		<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>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	Slight	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None								
Floatables:	None																													
Odor:																														
Turbidity:																														
Color:																														
Gross Solids:	Slight																													
Vegetation:																														
Benthic Growth:																														
Stains:																														
Non-illicit:	None																													
<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 colspan="2"><b>Condition Assessment</b></td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table>			<b>Condition Assessment</b>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:																														
Total Chlorine:	-- ppm																													
Free Chlorine:	-- ppm																													
Ammonia:	-- ppm																													
pH:	-- units																													
Temperature:	-- °F																													
Conductivity:	-- µS/cm																													
Detergents:	-- mg/L																													
<b>Condition Assessment</b>																														
Graffiti:	None																													
Erosion:	None																													
Damage:	None																													
Deposition:	None 0 in.																													
		 <p style="text-align: center;">o20110526112952.JPG</p>																												

<b>Inspection Date:</b> 8/18/2010 8:43:09 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> <b>Potential</b>		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100818083958.JPG</p>	
Submerged: Fully		Depth (in): 47		Petroleum odor likely from residual petroleum in pipes after 2009 jetting.			
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 6.63 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> <b>Obvious</b>		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Osh09_DSCN6747.JPG</p>	
Submerged: Fully		Depth (in): 44		Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.			
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 6.98 units Temperature: 73 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: Severe Odor: Easily detected Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Major Outfall

## Shape:

Pipe - Elliptical

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in):

Height/Depth (in): 13

Width (in): 22



o20161010084552.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 469,179

Easting: 793,881

## Latitude/Longitude:

Latitude: 44.00659

Longitude: -88.53466

Inspection Date: 10/10/2016 8:46:57 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

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

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161010084558.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 7:00:50 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not located - screened at 03-119 US1.         </div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            Sample Location:           <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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None      in.         </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 <small>o20150923060350.JPG</small>																						

<b>Inspection Date:</b> 8/18/2010 7:32:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not physically located. Outfall screened upstream at 03-119 US1.         </div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            Sample Location:           <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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None      0 in.         </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 <small>o20100818072558.JPG</small>																						

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b> </div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            Sample Location:           <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> </div>		Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition:      in.         </div>		
Floatables:																						
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:																						
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
 <small>Osh09_DSCN6741.JPG</small>																						

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

03-119

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010084808.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 469,098

Easting: 793,672

## Latitude/Longitude:

Latitude: 44.00637

Longitude: -88.53545

Inspection Date: 10/10/2016 8:50:36 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 25

Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables:

None

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

Odor:

None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity:

Slight cloudiness

Color:

None

Gross Solids:

None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation:

None

☐ Inhibited☐ Excessive

Benthic Growth:

None

☐ Green☐ Brown

Stains:

None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit:

Slight

☒ 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

o20161010084816.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-89

Time Collected: 08:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 6.98 units

Temperature (field): 63 °F

Conductivity (field): 781 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/23/2015 7:05:01 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 29		
<b>Sampling Results</b>		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.44 units	Gross Solids: Slight			
Temperature 69 °F	Vegetation: None			
Conductivity: 516 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923060646.JPG

<b>Inspection Date:</b> 8/18/2010 7:36:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 29		
<b>Sampling Results</b>		Notes		
Sample Location: Pool	Floatables: Slight	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0.5 ppm	Color: Faint in bottle			
pH: 7.06 units	Gross Solids: Slight			
Temperature 71 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			



o20100818072942.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 27		
<b>Sampling Results</b>		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 7.87 units	Gross Solids: None			
Temperature 76 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



Osh09\_DSCN6743.JPG



## 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):



o20161010082546.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

## County Coordinates:

Northing: 468,018

Easting: 793,278

## Latitude/Longitude:

Latitude: 44.00340

Longitude: -88.53695

Inspection Date: 10/10/2016 8:27:25 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 03-173 US2.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161010082552.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 6:48:56 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located during this screening - screened at 13-173 US2.	 o20150923054658.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/7/2014 1:47:08 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged - screened upstream at 13-173 US2. Pipe approx 5" below water surface.	 o20141007124746.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/11/2011 10:11:07 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 03-173 US2.	 o20111011101022.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

<b>Inspection Date:</b> 8/17/2010 2:04:29 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-173 US2.	 o20100817135838.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

03-170

**Dimensions**

Diameter (in):

Height/Depth (in):

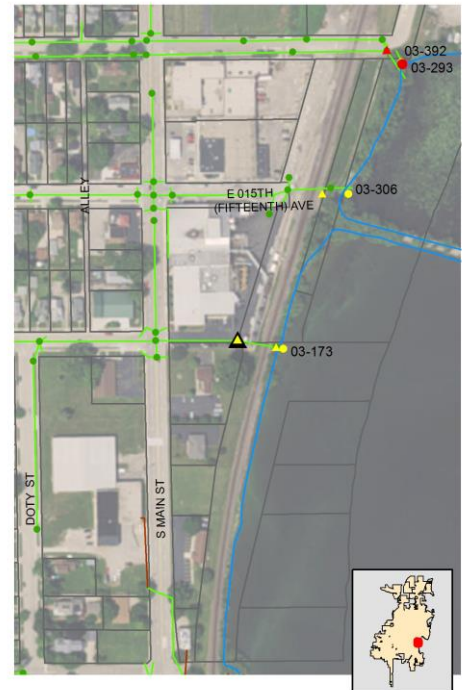
Width (in):



o20161010082802.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 468,043

Easting: 793,166

**Latitude/Longitude:**

Latitude: 44.00347

Longitude: -88.53737

**Inspection Date:** 10/10/2016 8:30:16 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 40

**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

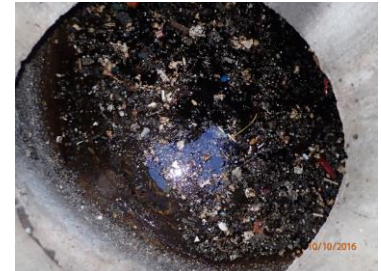
☐ Natural Sheen☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage

o20161010082808.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-59

Time Collected: 08:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.56 units


Temperature (field): 62 °F


Conductivity (field): 422 µS/cm


Detergents: 0 mg/L




<b>Inspection Date:</b> 9/23/2015 6:51:23 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p style="text-align: center;">o20150923054948.JPG</p>	
Submerged: Fully		Depth (in): 42		Floating gross solids (litter) - including 5 baseballs - in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Erosion:	None	Damage:	None
Free Chlorine:	0 ppm	Turbidity:	None	Deposition:	None		in.
Ammonia:	0 ppm	Color:	None				
pH:	8.19 units	Gross Solids:	Moderate				
Temperature	68 °F	Vegetation:	None				
Conductivity:	476 µS/cm	Benthic Growth:	None				
Detergents:	0 mg/L	Stains:	None				
		Non-illicit:	None				

<b>Inspection Date:</b> 10/7/2014 1:52:27 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 48-72	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p style="text-align: center;">o20141007125104.JPG</p>	
Submerged: Fully		Depth (in): 38		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Erosion:	None	Damage:	None
Free Chlorine:	0 ppm	Turbidity:	None	Deposition:	None		in.
Ammonia:	0 ppm	Color:	None				
pH:	7.73 units	Gross Solids:	Moderate				
Temperature	-- °F	Vegetation:	None				
Conductivity:	401 µS/cm	Benthic Growth:	Slight				
Detergents:	0 mg/L	Stains:	None				
		Non-illicit:	None				

<b>Inspection Date:</b> 10/11/2011 10:04:47 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p style="text-align: center;">o20111011100336.JPG</p>	
Submerged: Fully		Depth (in): 39		2010 screening follow-up. Floatable debris significantly reduced.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Erosion:	None	Damage:	None
Free Chlorine:	0 ppm	Turbidity:	None	Deposition:	None		0 in.
Ammonia:	0.5 ppm	Color:	None				
pH:	7.39 units	Gross Solids:	None				
Temperature	70 °F	Vegetation:	None				
Conductivity:	-- µS/cm	Benthic Growth:	None				
Detergents:	-- mg/L	Stains:	None				
		Non-illicit:	None				

<b>Inspection Date:</b> 5/26/2011 11:34:00 AM		<b>Type:</b> Other		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p style="text-align: center;">o20110526113426.JPG</p>	
Submerged: Fully		Depth (in):		Limited screening conducted to check for floatable debris.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	-- ppm	Odor:		Erosion:	None	Damage:	None
Free Chlorine:	-- ppm	Turbidity:		Deposition:	None		0 in.
Ammonia:	-- ppm	Color:					
pH:	-- units	Gross Solids:	Slight				
Temperature	-- °F	Vegetation:					
Conductivity:	-- µS/cm	Benthic Growth:					
Detergents:	-- mg/L	Stains:					
		Non-illicit:	None				



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

o20100817140504.JPG

## 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): 40

Width (in): 58



o20161010083442.JPG

## Outfall Notes:

Storm sewer from E 14th Ave discharges to lake from west. Outfall partially submerged - pipe dimensions from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 468,709

Easting: 793,582

## Latitude/Longitude:

Latitude: 44.00530

Longitude: -88.53579

Inspection Date: 10/10/2016 8:37:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 31

Notes: Outfall partially submerged - screened upstream at 03-293 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

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

o20161010083458.JPG

## 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

<b>Inspection Date:</b> 8/17/2010 3:02:36 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 38				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 03-293 US1.	 o20100817145430.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.		

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 32				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 03-293 US1.	 Osh09_DSCN6736.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.		

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

03-293

## Dimensions

Diameter (in):

Height/Depth (in):

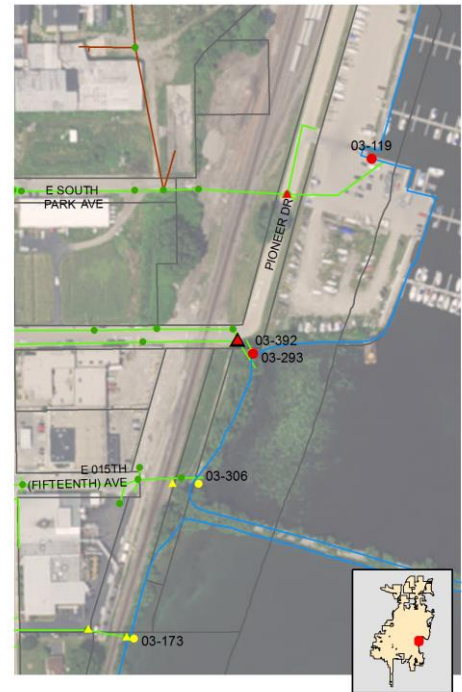
Width (in):



o20161010083848.JPG

## Outfall Notes:

Upstream manhole located approx 51 ft NW of outfall 03-293. Intermediate area consists of vegetated roadside shoulder.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 468,744

Easting: 793,545

## Latitude/Longitude:

Latitude: 44.00539

Longitude: -88.53593

Inspection Date: 10/10/2016 8:41:32 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 33

## Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: Faint in bottle Green

Gross Solids: None ☐ Litter ☐ 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

o20161010083910.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-41

Time Collected: 08:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.46 units

Temperature (field): 62 °F

Conductivity (field): 386 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



<b>Inspection Date:</b> 8/17/2010 3:05:51 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Fully		Depth (in): 36																																													
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>Slight</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.39 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>76 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>Slight</td> </tr> </table>		Sample Location:	Pool	Floatables:	Slight	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.39 units	Gross Solids:	None	Temperature:	76 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	Slight	<b>Notes</b>     <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:	Slight																																												
Total Chlorine:	0 ppm	Odor:	None																																												
Free Chlorine:	0 ppm	Turbidity:	None																																												
Ammonia:	0 ppm	Color:	None																																												
pH:	7.39 units	Gross Solids:	None																																												
Temperature:	76 °F	Vegetation:	None																																												
Conductivity:	-- µS/cm	Benthic Growth:	None																																												
Detergents:	0 mg/L	Stains:	None																																												
		Non-illicit:	Slight																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														
			 o20100817145804.JPG																																												

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in):																																					
<b>Sampling Results</b> <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>7.82 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>78 °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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	7.82 units	Gross Solids:	None	Temperature:	78 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> Abnormal detergent analysis result (bubbles)	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	-- ppm	Color:	None																																				
pH:	7.82 units	Gross Solids:	None																																				
Temperature:	78 °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	None																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																												
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None 0 in.																																						
			 Osh09_DSCN6739.JPG																																				

## 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):



o20161010091654.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 470,924

Easting: 793,775

## Latitude/Longitude:

Latitude: 44.01137

Longitude: -88.53506

Inspection Date: 10/10/2016 9:18:11 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 03-381 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010091656.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 7:22:24 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 03-381 US1.	 o20150923062656.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/9/2014 10:22:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 03-381 US1.	 o20141009092246.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/11/2011 9:56:37 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.	 o20111011095540.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 8/18/2010 8:59:26 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.	 o20100818085058.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



**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):

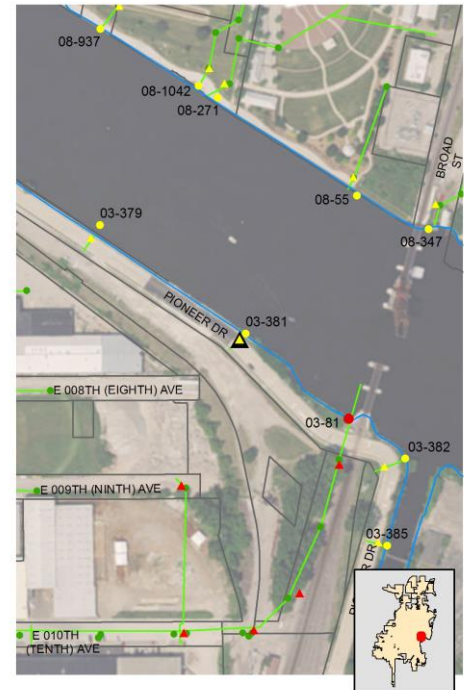
Width (in):



o20161010091810.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.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 470,910

Easting: 793,760

**Latitude/Longitude:**

Latitude: 44.01134

Longitude: -88.53512

**Inspection Date:** 10/10/2016 9:20:59 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 14

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: Faint in bottle Green

Gross Solids: Slight ☒ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Moderate ☒ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20161010091822.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-18

Time Collected: 09:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.57 units


Temperature (field): 65 °F


Conductivity (field): 365 µS/cm


Detergents: 0 mg/L




<b>Inspection Date:</b> 9/23/2015 7:26:11 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 20																																				
<b>Sampling Results</b>		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>7.69 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>352 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>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:	1 ppm	pH:	7.69 units	Temperature:	70 °F	Conductivity:	352 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p><b>Notes</b></p> <p>Floating gross solids (litter) in manhole.</p> </div> <div style="flex: 1;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					
		 <p style="text-align: right; font-size: small;">o20150923062728.JPG</p>																																				

<b>Inspection Date:</b> 10/9/2014 10:25:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 14																																				
<b>Sampling Results</b>		<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>7.79 units</td></tr> <tr><td>Temperature:</td><td>57 °F</td></tr> <tr><td>Conductivity:</td><td>408 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.79 units	Temperature:	57 °F	Conductivity:	408 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None
Sample Location:	Pool																																					
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Floatables:	None																																					
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Turbidity:	None																																					
Color:	Faint in bottle																																					
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Stains:	Moderate																																					
Non-illicit:	None																																					
		<div style="display: flex;"> <div style="flex: 1;"> <p><b>Notes</b></p> </div> <div style="flex: 1;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 2 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	Minor 2 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	Minor 2 in.																																					
		 <p style="text-align: right; font-size: small;">o20141009092338.JPG</p>																																				

<b>Inspection Date:</b> 10/11/2011 9:52:43 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 12																																				
<b>Sampling Results</b>		<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>7.1 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="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>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.1 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	Faint	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:	7.1 units																																					
Temperature:	71 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- 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="display: flex;"> <div style="flex: 1;"> <p><b>Notes</b></p> <p>2010 screening follow-up. Floatable debris significantly reduced.</p> </div> <div style="flex: 1;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: right; font-size: small;">o20111011095140.JPG</p>																																				

<b>Inspection Date:</b> 5/26/2011 11:27:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
<b>Sampling Results</b>		<div style="display: flex;"> <div style="flex: 1;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- 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="flex: 1;"> <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="display: flex;"> <div style="flex: 1;"> <p><b>Notes</b></p> <p>Limited screening conducted to check for floatable debris.</p> </div> <div style="flex: 1;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: right; font-size: small;">o20110526112736.JPG</p>																																				

<b>Inspection Date:</b> 8/18/2010 9:03:59 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Floating debris, slight oil sheen in manhole.			
Submerged: Fully		Depth (in): 13					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: Moderate		Graffiti: None			
Total Chlorine: 0 ppm		Odor: Faint		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: Faint in bottle		Deposition: None		0 in.	
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					

o20100818085124.JPG

## 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):



o20161010154042.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 Precision:

Desktop mapping estimate

☒ Not Physically Located

## Location Map



Inspection Date: 10/10/2016 3:43:20 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 05-14 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010154044.JPG

## 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



<b>Inspection Date:</b> 9/24/2015 10:30:54 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150924093340.JPG	
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened at 05-14 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 8/25/2010 2:37:24 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20100825142900.JPG	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 Osh09_DSCN6696.JPG	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 05-14 US2.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

05-14

## Dimensions

Diameter (in):

Height/Depth (in):

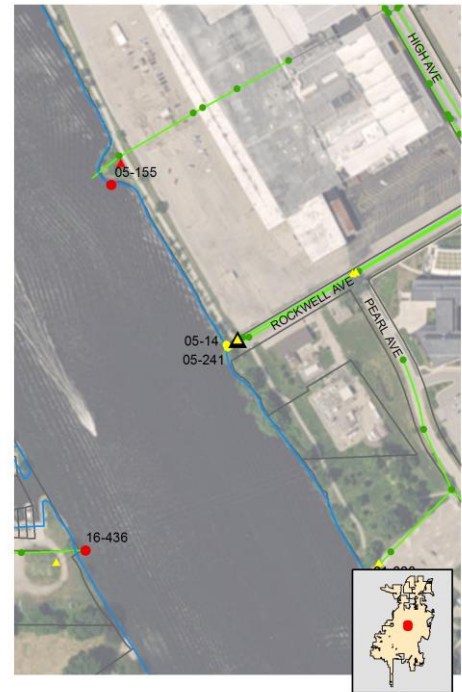
Width (in):



o20161010154422.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 476,120

Easting: 788,257

## Latitude/Longitude:

Latitude: 44.02562

Longitude: -88.55605

Inspection Date: 10/10/2016 3:46:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 41

Notes: Potential illicit discharge due to gross solids.

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Severe

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010154428.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-54

Time Collected: 15:44

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.69 units

Temperature (field): 70 °F

Conductivity (field): 660 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 10:36:18 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Floating gross solids (litter) in manhole.		 <p>o20150924093714.JPG</p>	
Submerged: Fully		Depth (in): 44					
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> Severe <b>Vegetation:</b> None <b>Benthic Growth:</b> None <b>Stains:</b> None <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None in.			
<b>Sample Location:</b> Pool <b>Total Chlorine:</b> 0 ppm <b>Free Chlorine:</b> 0 ppm <b>Ammonia:</b> 0 ppm <b>pH:</b> 7.98 units <b>Temperature:</b> 70 °F <b>Conductivity:</b> 424 µS/cm <b>Detergents:</b> 0 mg/L							

## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20161010154046.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 476,100

Easting: 788,232

## Latitude/Longitude:

Latitude: 44.02556

Longitude: -88.55614

Inspection Date: 10/10/2016 3:43:52 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

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

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010154050.JPG

## 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



<b>Inspection Date:</b> 9/24/2015 10:23:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 05-241 US1.	 o20150924092602.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 8/25/2010 2:39:56 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 05-241 US2.	 o20100825142910.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b>	 Osh09_DSCN6696.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



**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):

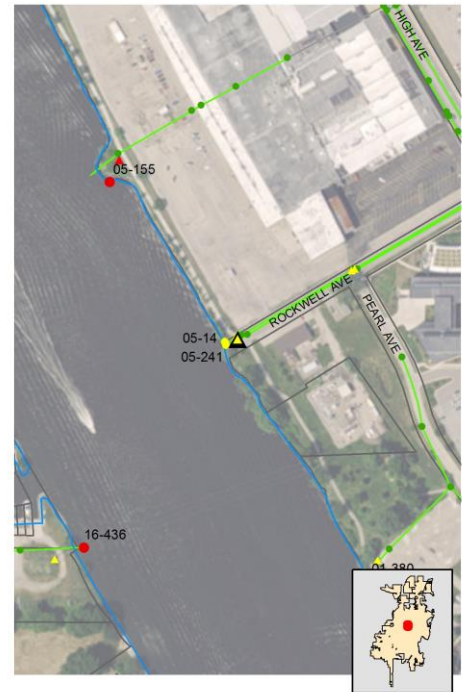
Width (in):



o20161010154816.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☐ Not Physically Located**County Coordinates:**

Northing: 476,113

Easting: 788,261

**Latitude/Longitude:**

Latitude: 44.02560

Longitude: -88.55603

**Inspection Date:** 10/10/2016 3:50:18 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 17

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ 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

o20161010154822.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-84

Time Collected: 15:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.59 units

Temperature (field): 69 °F

Conductivity (field): 1551 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 10:27:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 18																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.43 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"> <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																																					
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																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>		 <p>o20150924092818.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					

## 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):



o20161018145648.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 472,713

Easting: 789,812

## Latitude/Longitude:

Latitude: 44.01628

Longitude: -88.55013

Inspection Date: 10/18/2016 2:57:41 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 06-52 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018145652.JPG

## 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



<b>Inspection Date:</b> 9/23/2015 8:40:05 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 06-52 US1.	 <p style="text-align: center;">o20150923074404.JPG</p>
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/9/2014 9:32:21 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 06-52 US1.	 <p style="text-align: center;">o20141009083144.JPG</p>
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/11/2011 11:06:46 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.	 <p style="text-align: center;">o20111011110724.JPG</p>
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

<b>Inspection Date:</b> 8/18/2010 12:57:36 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.	 <p style="text-align: center;">o20100818124946.JPG</p>
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	



## 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):

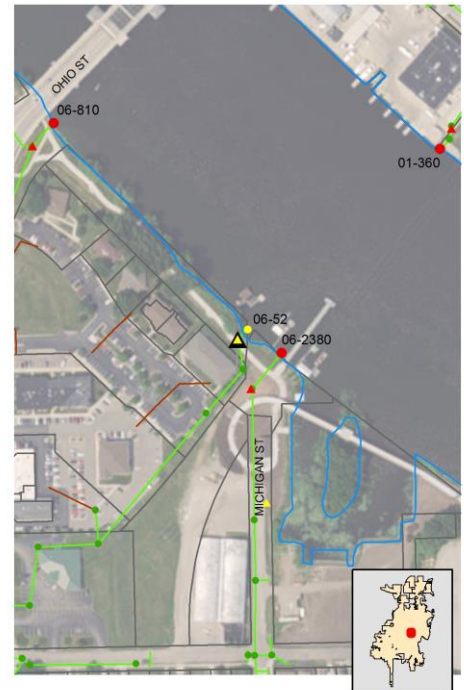
Width (in):



o20161018145912.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 472,689

Easting: 789,786

## Latitude/Longitude:

Latitude: 44.01621

Longitude: -88.55023

Inspection Date: 10/18/2016 3:00:00 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in):

Notes: Potential illicit discharge due to gross solids.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

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

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

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

o20161018145924.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-139

Time Collected: 15:00

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.02 units

Temperature (field): 67 °F

Conductivity (field): 418 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 8:42:53 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 44		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20150923074542.JPG

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



o20141009083526.JPG

<b>Inspection Date:</b> 10/11/2011 11:09:29 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 35		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Floatable debris significantly reduced.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20111011110824.JPG

<b>Inspection Date:</b> 5/26/2011 1:05:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted to check for floatable debris.		
Sample Location: --	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20110526130522.JPG

<b>Inspection Date:</b> 8/18/2010 1:00:07 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 41		
<b>Sampling Results</b>				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness	
Ammonia:	0 ppm	Color:	Faint in bottle	
pH:	7.98 units	Gross Solids:	Severe	
Temperature:	76 °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
<b>Notes</b>			<b>Condition Assessment</b>	
Significant floatable debris in manhole.			Graffiti: None	
			Erosion: None	
			Damage: None	
			Deposition: None 0 in.	



o20100818125018.JPG



## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20161018133938.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 474,575

Easting: 787,954

## Latitude/Longitude:

Latitude: 44.02138

Longitude: -88.55720

Inspection Date: 10/18/2016 1:40:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 06-221 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161018133940.JPG

## 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



<b>Inspection Date:</b> 10/7/2014 9:37:56 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti:        None  Erosion:        None  Damage:        None  Deposition:    None      in. </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20141007083652.JPG																						

<b>Inspection Date:</b> 10/11/2011 11:34:32 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti:        None  Erosion:        None  Damage:        None  Deposition:    None      0 in. </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20111011113446.JPG																						

<b>Inspection Date:</b> 8/18/2010 2:38:53 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti:        None  Erosion:        None  Damage:        None  Deposition:    None      0 in. </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20100818142820.JPG																						

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

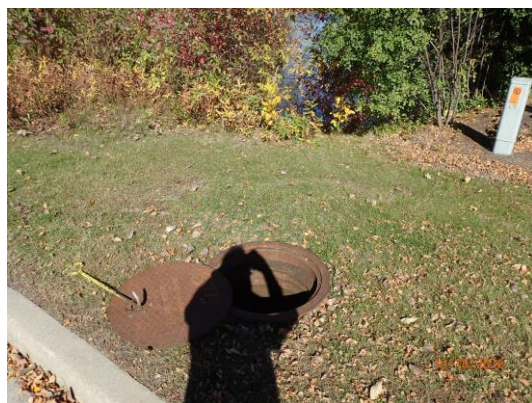
06-221

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018134022.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 Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,552

Easting: 787,942

## Latitude/Longitude:

Latitude: 44.02132

Longitude: -88.55724

Inspection Date: 10/18/2016 1:43:57 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 35

Notes: Casting displaced 2". Potential illicit discharge due to gross solids.

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor

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

o20161018134038.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-61

Time Collected: 13:41

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.06 units


Temperature (field): 68 °F

Conductivity (field): 460 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/7/2014 9:38:38 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 32																																				
<b>Sampling Results</b>		<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>7.78 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>351 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:	7.78 units	Temperature:	-- °F	Conductivity:	351 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																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 3 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	Minor 3 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	Minor 3 in.																																					
		 <p style="text-align: center; font-size: small;">o20141007083848.JPG</p>																																				

<b>Inspection Date:</b> 10/11/2011 11:37:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 32																																				
<b>Sampling Results</b>		<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>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>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:	7.5 units	Temperature:	71 °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
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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pH:	7.5 units																																					
Temperature:	71 °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																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> <p>2010 screening follow-up. Floatable debris still present.</p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: center; font-size: small;">o20111011113522.JPG</p>																																				

<b>Inspection Date:</b> 8/18/2010 2:43:51 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 36																																				
<b>Sampling Results</b>		<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>7.21 units</td></tr> <tr><td>Temperature:</td><td>79 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </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:	7.21 units	Temperature:	79 °F	Conductivity:	-- 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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pH:	7.21 units																																					
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> <p>Torn paper and other floatable debris in manhole.</p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: center; font-size: small;">o20100818143354.JPG</p>																																				



## 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



o20161018135744.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 474,389

Easting: 788,576

## Latitude/Longitude:

Latitude: 44.02087

Longitude: -88.55483

Inspection Date: 10/18/2016 1:59:02 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 06-253 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018135746.JPG

## 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



<b>Inspection Date:</b> 9/23/2015 9:26:08 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 06-253 US1.	 o20150923082910.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 8/18/2010 1:51:34 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 06-263 US1.	 o20100818134248.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b>	 Osh09_DSCN6785.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

## 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):

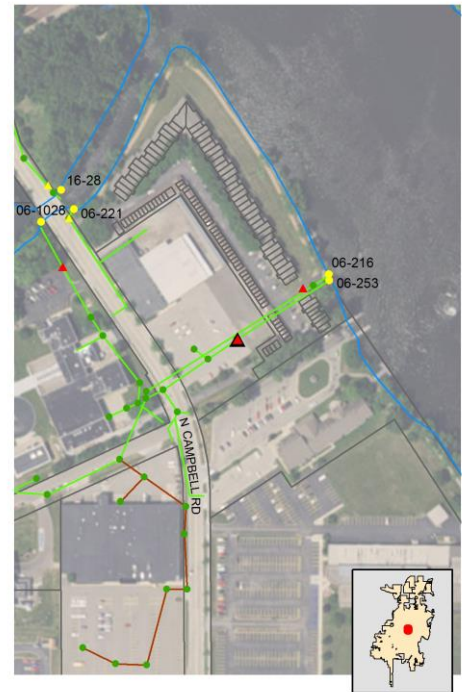
Width (in):



o20161018140140.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.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,249

Easting: 788,349

## Latitude/Longitude:

Latitude: 44.02049

Longitude: -88.55569

Inspection Date: 10/18/2016 2:03:25 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, significant flow

Notes: Strong current; significant flies in manhole.

Submerged: Fully

Depth (in): 40

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Faint

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☒ VOC/Solvent☐ Fishy☐ Sulfur☒ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018140148.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161018-100

Time Collected: 14:04

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.01 units


Temperature (field): 70 °F

Conductivity (field): 1228 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 9:31:39 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, significant flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150923083310.JPG	
Submerged: Fully		Depth (in): 42		Significant current detected in pool. Many flies emerging from water.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None		in.	
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					

<b>Inspection Date:</b> 8/18/2010 2:07:41 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20100818135922.JPG	
Submerged: Fully		Depth (in): 43					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None		0 in.	
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					

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, slight flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 Osh09_DSCN6791.JPG	
Submerged: Fully		Depth (in): 38		River fly swarm inside manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: -- ppm		Color: None		Deposition: None		0 in.	
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					



## 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



o20161018144320.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 473,225

Easting: 789,346

## Latitude/Longitude:

Latitude: 44.01768

Longitude: -88.55190

Inspection Date: 10/18/2016 2:44:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 06-810 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018144322.JPG

## 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



<b>Inspection Date:</b> 9/23/2015 9:09:50 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 06-810 US1.	 o20150923081344.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 8/18/2010 1:15:26 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 06-810 US1.	 o20100818130938.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b>	 Osh09_DSCN6798.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

## 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):



o20161018144418.JPG

## Outfall Notes:

Upstream manhole located approx 77 ft SW of outfall 06-810. Intermediate area consists of open area.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 473,170

Easting: 789,293

## Latitude/Longitude:

Latitude: 44.01753

Longitude: -88.55210

Inspection Date: 10/18/2016 2:47:47 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 52

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018144430.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-102

Time Collected: 14:47

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.93 units


Temperature (field): 67 °F

Conductivity (field): 400 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 9:13:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 57																																					
<b>Sampling Results</b> <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>8.39 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>372 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>		Sample Location:	Pool	Floatables:	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	<b>Notes</b>     <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
Sample Location:	Pool	Floatables:	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																																			

<b>Inspection Date:</b> 8/18/2010 1:18:51 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 55																																					
<b>Sampling Results</b> <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>None</td> </tr> <tr> <td>Ammonia:</td> <td>0.5 ppm</td> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>pH:</td> <td>7.68 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>78 °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>		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	<b>Notes</b>     <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	
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																																				
				 o20100818131246.JPG																																			

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 6																																					
<b>Sampling Results</b> <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>8.42 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>82 °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>		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	<b>Notes</b> Abnormal detergent analysis result (bubbles)	
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																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																																					
				 Osh09_DSCN6801.JPG																																			



## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

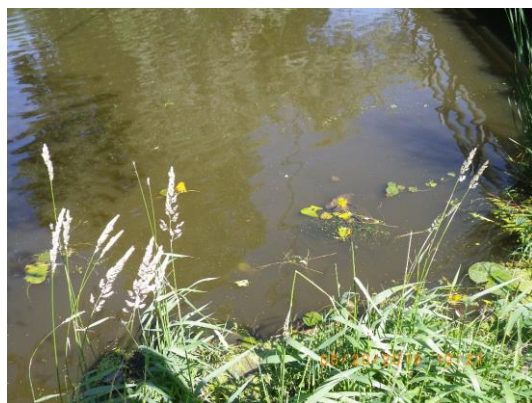
N/A

## Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20120620092742.JPG

## Outfall Notes:

Storm sewer from Campbell Rd discharges to stream from south. Outfall not located - pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 474,544

Easting: 787,874

## Latitude/Longitude:

Latitude: 44.02130

Longitude: -88.55750

Inspection Date: 10/18/2016 1:30:27 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 06-1028 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Outfall  
Not  
Located

Photo Not Available

## 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:

06-1028

## Dimensions

Diameter (in):

Height/Depth (in):

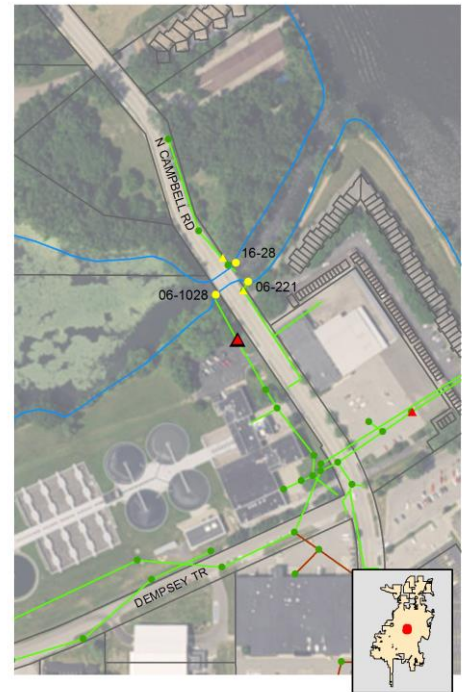
Width (in):



o20161018133218.JPG

## Outfall Notes:

Upstream curb inlet located approx 122 ft SSE of outfall 06-1028. Intermediate area consists of open area and paved parking lot.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,434

Easting: 787,926

## Latitude/Longitude:

Latitude: 44.02099

Longitude: -88.55730

Inspection Date: 10/18/2016 1:34:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 22

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Faint

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☒ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018133224.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-12

Time Collected: 13:34

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.38 units

Temperature (field): 68 °F

Conductivity (field): 1432 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 6/20/2012 10:29:02 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 21		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location:	Floatables:	2011 gross solids follow-up.		
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:	<b>Condition Assessment</b>		
		Graffiti: None		
		Erosion: None		
		Damage: None		
		Deposition: None in.		



o20120620092948.JPG

<b>Inspection Date:</b> 8/18/2010 3:07:00 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 18		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location: Pool	Floatables:			
Total Chlorine: 0 ppm	Odor:			
Free Chlorine: 0 ppm	Turbidity:			
Ammonia: 0 ppm	Color:			
pH: 7.46 units	Gross Solids:			
Temperature 76 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: 0 mg/L	Stains:			
	Non-illicit:	<b>Condition Assessment</b>		
		Graffiti: None		
		Erosion: None		
		Damage: None		
		Deposition: None 0 in.		



o20100818145848.JPG

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 16		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location: Pool	Floatables:	Slight sulfide odor.		
Total Chlorine: 0 ppm	Odor:			
Free Chlorine: 0 ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: 7.72 units	Gross Solids:			
Temperature 80 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: 0 mg/L	Stains:			
	Non-illicit:	<b>Condition Assessment</b>		
		Graffiti: None		
		Erosion: None		
		Damage: None		
		Deposition: None 3 in.		



Osh09\_DSCN6796.JPG



## 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

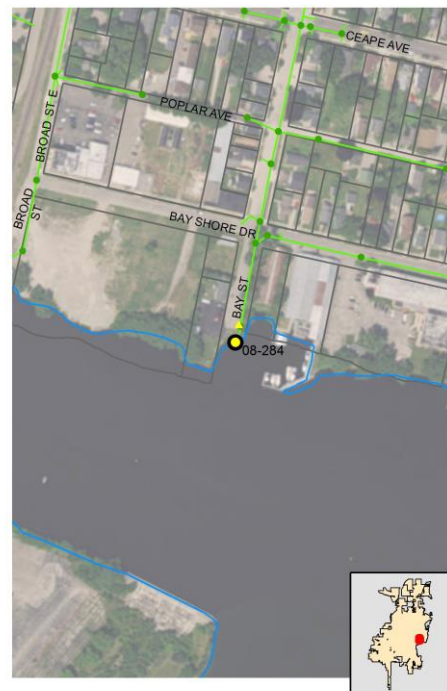


o20150922090924.JPG

## Outfall Notes:

Bay St storm sewer discharges to river from north.  
Outfall fully submerged. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 471,023

Easting: 794,824

## Latitude/Longitude:

Latitude: 44.01165

Longitude: -88.53108

Inspection Date: 10/10/2016 10:18:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall fully submerged and not located -  
screened upstream at 08-284 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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


o20161010101832.JPG

## 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



<b>Inspection Date:</b> 9/22/2015 10:04:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 30		
<b>Sampling Results</b>		<b>Notes</b> Outfall fully submerged - screened at 08-284 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		



o20150922090932.JPG

<b>Inspection Date:</b> 10/9/2014 11:24:44 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 29		
<b>Sampling Results</b>		<b>Notes</b> Outfall fully submerged - screened upstream at 08-284 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: Minor 3 in.		



o20141009102400.JPG

<b>Inspection Date:</b> 10/11/2011 8:37:04 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 25		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 08-284 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20111011083728.JPG

<b>Inspection Date:</b> 8/17/2010 9:35:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 08-284 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20100817093554.JPG

**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):

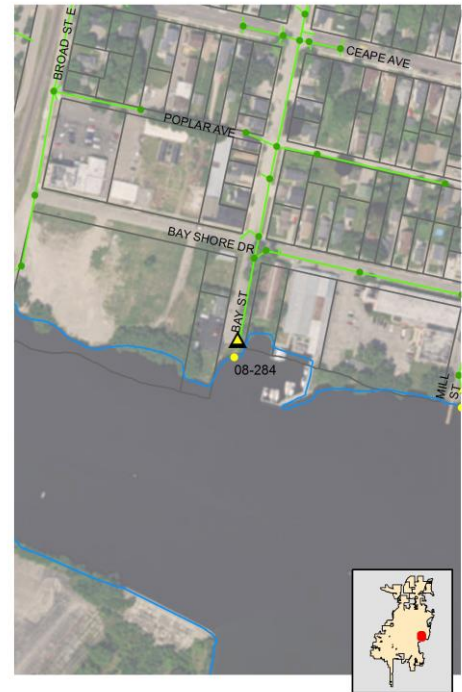
Width (in):



o20161010101908.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.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,067

Easting: 794,833

**Latitude/Longitude:**

Latitude: 44.01177

Longitude: -88.53104

**Inspection Date:** 10/10/2016 10:21:35 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully Depth (in): 32

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: Clearly visible in bottle Brown

Gross Solids: Moderate ☒ Litter ☐ 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

o20161010101916.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-26

Time Collected: 10:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.15 units

Temperature (field): 63 °F

Conductivity (field): 369 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

<b>Inspection Date:</b> 9/22/2015 10:09:39 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 34		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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

<b>Inspection Date:</b> 10/9/2014 11:28:19 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 29		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20141009102622.JPG

<b>Inspection Date:</b> 10/11/2011 8:41:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 18		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Floatable debris significantly reduced.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			




o20111011084038.JPG

<b>Inspection Date:</b> 5/26/2011 11:01:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted to check for floatable debris.		
Sample Location: --	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20110526110156.JPG



<b>Inspection Date:</b> 8/17/2010 9:47:15 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Significant floatable debris in manhole.			
Submerged: Fully		Depth (in): 31					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: Faint in bottle		Deposition: None		0 in.	
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					

o20100817093838.JPG



## 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):

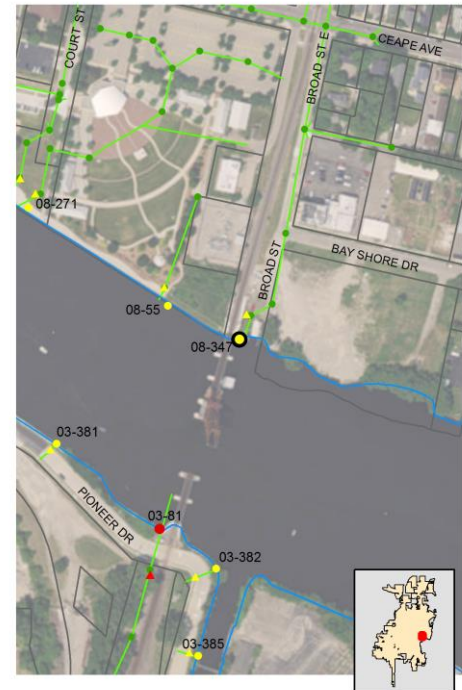


o20161010101240.JPG

## 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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 471,171

Easting: 794,227

## Latitude/Longitude:

Latitude: 44.01205

Longitude: -88.53335

Inspection Date: 10/10/2016 10:13:44 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 08-347 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161010101244.JPG

## 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

<b>Inspection Date:</b> 9/22/2015 10:41:14 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 08-347 US1.	 o20150922094458.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/9/2014 11:13:09 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 08-347 US1.	 o20141009101330.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/11/2011 8:48:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.	 o20111011084904.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

<b>Inspection Date:</b> 8/17/2010 10:13:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.	 o20100817100702.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

**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):



o20161018170234.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.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,232

Easting: 794,245

**Latitude/Longitude:**

Latitude: 44.01222

Longitude: -88.53328

**Inspection Date:** 10/18/2016 5:02:56 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Partially Depth (in): 46

**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018170248.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-55

Time Collected: 17:04

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 8.18 units


Temperature (field): 66 °F


Conductivity (field): 361 µS/cm


Detergents: 0 mg/L




<b>Inspection Date:</b> 9/22/2015 10:46:05 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150922094746.JPG	
Submerged: Fully		Depth (in): 48		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Damage:	None	Deposition:	None in.
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				

<b>Inspection Date:</b> 10/9/2014 11:17:38 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20141009101552.JPG	
Submerged: Fully		Depth (in): 43		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Damage:	None	Deposition:	None in.
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				

<b>Inspection Date:</b> 10/11/2011 8:51:38 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20111011085018.JPG	
Submerged: Fully		Depth (in): 43		2010 screening follow-up. Floatable debris significantly reduced.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:	Pool	Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	0 ppm	Odor:	None	Damage:	None	Deposition:	None 0 in.
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				

<b>Inspection Date:</b> 5/26/2011 11:05:00 AM		<b>Type:</b> Other		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20110526110604.JPG	
Submerged: Fully		Depth (in):		Limited screening conducted to check for floatable debris.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:	None	Erosion:	None
Total Chlorine:	-- ppm	Odor:		Damage:	None	Deposition:	None 0 in.
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				



<b>Inspection Date:</b> 8/17/2010 10:17:46 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Significant floatable debris in manhole.		 o20100817100950.JPG	
Submerged: Fully		Depth (in): 48					
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> Severe <b>Vegetation:</b> None <b>Benthic Growth:</b> None <b>Stains:</b> None <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None 0 in.			
<b>Sample Location:</b> Pool <b>Total Chlorine:</b> 0 ppm <b>Free Chlorine:</b> 0 ppm <b>Ammonia:</b> 0 ppm <b>pH:</b> 7.71 units <b>Temperature:</b> 74 °F <b>Conductivity:</b> -- µS/cm <b>Detergents:</b> 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

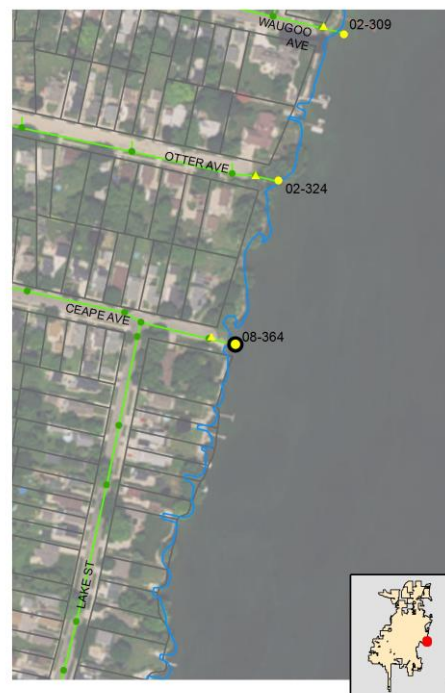
Width (in): 35



o20161010104146.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 470,961

Easting: 798,449

**Latitude/Longitude:**

Latitude: 44.01148

Longitude: -88.51730

**Inspection Date:** 10/10/2016 10:41:58 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 08-364 US1.

**Illicit Discharge Potential:** Potential
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161010104152.JPG

**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

<b>Inspection Date:</b> 9/22/2015 8:16:52 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 08-364 US1.	 o20150922072146.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/3/2011 8:52:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.	 o20111003085336.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 5/10/2011 8:51:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 08-364 US1.	 o20110510080902.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

08-364

**Dimensions**

Diameter (in):

Height/Depth (in):

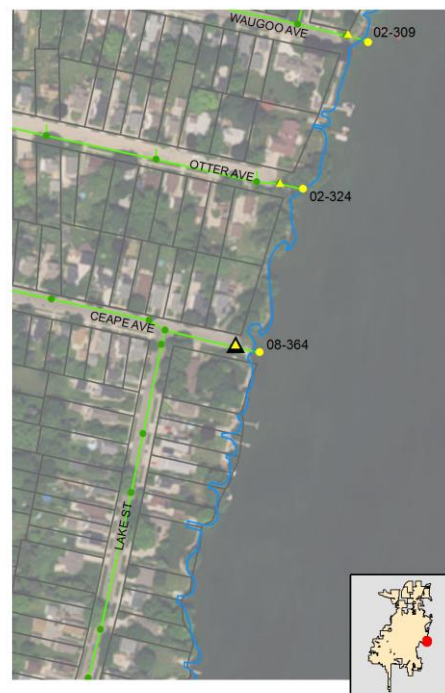
Width (in):



o20161010104300.JPG

**Outfall Notes:**

Upstream manhole located approx 62 ft WNW of outfall 08-364. Intermediate area consists of street right-of-way.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 470,981

Easting: 798,390

**Latitude/Longitude:**

Latitude: 44.01154

Longitude: -88.51752

**Inspection Date:** 10/10/2016 10:45:23 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 35

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010104308.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-66

Time Collected: 10:43

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.68 units

Temperature (field): 65 °F

Conductivity (field): 374 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/22/2015 8:19:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 36		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) - including syringe - in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.85 units	Gross Solids: Moderate			
Temperature 67 °F	Vegetation: None			
Conductivity: 515 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



<b>Inspection Date:</b> 10/3/2011 8:58:48 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 35		
<b>Sampling Results</b>		<b>Notes</b> Sweet odor in sample bottle.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.2 units	Gross Solids: Slight			
Temperature 61 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



<b>Inspection Date:</b> 5/10/2011 8:12:10 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted for upstream manhole prescreening.		
Sample Location:	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



## 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):



o20161010100204.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 471,674

Easting: 793,433

## Latitude/Longitude:

Latitude: 44.01343

Longitude: -88.53636

Inspection Date: 10/10/2016 10:03:18 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall not located and assumed fully submerged - screened upstream at 08-937 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161010100214.JPG

## 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

<b>Inspection Date:</b> 9/22/2015 12:11:21 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+																																									
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150922111358.JPG</p>																																									
Submerged: Fully		Depth (in):		Outfall under walkway and not located - screened at 08-937 US1.																																											
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		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	<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None
Sample Location:		Floatables:	None																																												
Total Chlorine:	-- ppm	Odor:	None																																												
Free Chlorine:	-- ppm	Turbidity:	None																																												
Ammonia:	-- ppm	Color:	None																																												
pH:	-- units	Gross Solids:	None																																												
Temperature:	-- °F	Vegetation:	None																																												
Conductivity:	-- µS/cm	Benthic Growth:	None																																												
Detergents:	-- mg/L	Stains:	None																																												
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None in.																																														

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

08-937

**Dimensions**

Diameter (in):

Height/Depth (in):

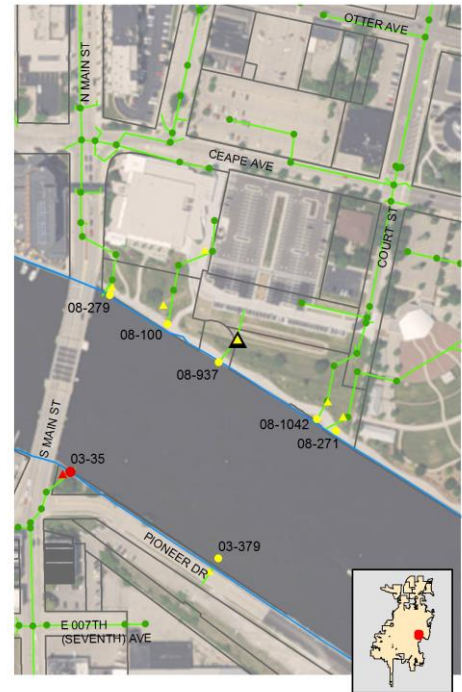
Width (in):



o20161010100328.JPG

**Outfall Notes:**

Upstream catchbasin located approx 73 ft NE of 08-937. Intermediate area consists of park space and sidewalk.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,729

Easting: 793,480

**Latitude/Longitude:**

Latitude: 44.01358

Longitude: -88.53618

Inspection Date: 10/10/2016 10:06:06 AM Inspector: JCW Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 12

**Notes:****Illicit Discharge Potential:** Unlikely☐ Field Follow-up ☐ Office Follow-upFloatables: Slight ☒ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: Clearly visible in flow Brown

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: Slight ☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: Moderate ☒ 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

o20161010100336.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-96

Time Collected: 10:03

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 1 ppm


pH (field): 6.94 units

Temperature (field): 64 °F

Conductivity (field): 752 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/22/2015 12:16:00 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 16																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.48 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>499 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:	7.48 units	Temperature:	75 °F	Conductivity:	499 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>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:	Moderate	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		<b>Notes</b> Cloudy sheen - did not appear to be typical bacterial sheen.																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					

o20150922111710.JPG

## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Major Outfall

## Shape:

Pipe - Circular

## Material:

Vitrified Clay

## City ID:

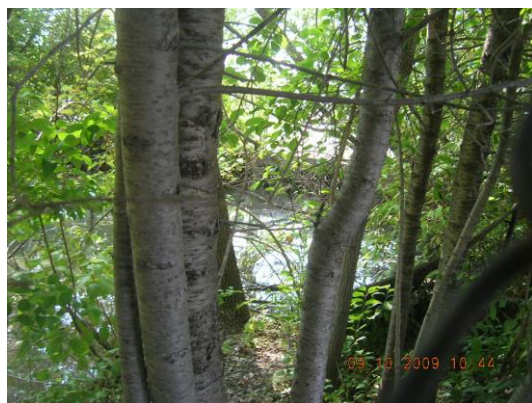
N/A

## Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

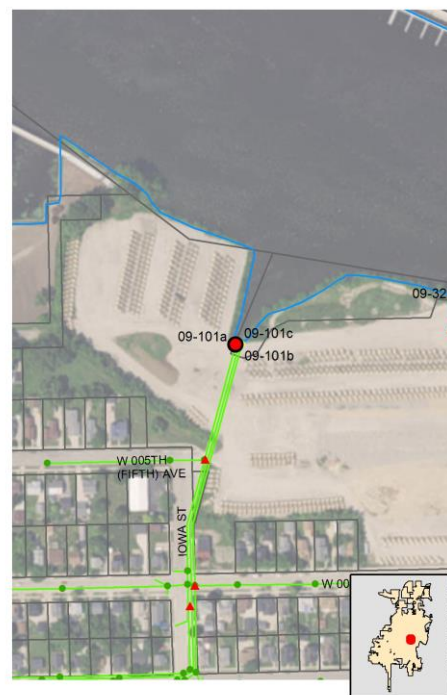


Osh09\_DSCN6774.JPG

## Outfall Notes:

Outfall not physically screened - behind fence. May consist of three outfalls within one concrete box culvert.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

## County Coordinates:

Northing: 471,884

Easting: 790,634

## Latitude/Longitude:

Latitude: 44.01400

Longitude: -88.54700

Inspection Date: 10/18/2016 4:18:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

Outfall  
Not  
Located

Photo Not Available

## 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

<b>Inspection Date:</b> 9/23/2015 8:03:03 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall located behind secured fence and not located during this screening - screened at 09-101a US1. </div>																				
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Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					

**Outfall  
Not  
Located**


**Photo Not Available**

<b>Inspection Date:</b> 8/18/2010 10:55:07 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not physically located. Outfall screened upstream at 09-101a US1. </div>																				
<div style="border: 1px solid black; padding: 5px;"> <table 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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



o20100818104726.JPG

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b>	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in):		Notes																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> </div>																				
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Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



Osh09\_DSCN6774.JPG

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

09-29

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018161526.JPG

## Outfall Notes:

Upstream manhole located approx 292 ft SSW of outfall 09-101a. Intermediate area consists of gravel parking area for industrial property.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 471,604

Easting: 790,555

## Latitude/Longitude:

Latitude: 44.01324

Longitude: -88.54730

Inspection Date: 10/18/2016 4:18:25 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 28

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Cloudy

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018161534.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-52

Time Collected: 16:16

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.93 units


Temperature (field): 67 °F


Conductivity (field): 1231 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/23/2015 8:04:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																												
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																														
Submerged: Fully		Depth (in): 24																																														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Sampling Results</b></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>Slight cloudiness</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.93 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature</td> <td>70 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1112 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table> </div> </div>					Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness	Ammonia:	0 ppm	Color:	None	pH:	7.93 units	Gross Solids:	Slight	Temperature	70 °F	Vegetation:	None	Conductivity:	1112 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.
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Graffiti:	None																																															
Erosion:	None																																															
Damage:	None																																															
Deposition:	None in.																																															
				 <p style="text-align: center;">o20150923070520.JPG</p>																																												

<b>Inspection Date:</b> 8/18/2010 10:47:15 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																												
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																														
Submerged: Fully		Depth (in): 24																																														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Sampling Results</b></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>7.65 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>76 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</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:	7.65 units	Gross Solids:	None	Temperature	76 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:	None																																													
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Free Chlorine:	0 ppm	Turbidity:	None																																													
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Conductivity:	-- µS/cm	Benthic Growth:	None																																													
Detergents:	0 mg/L	Stains:	None																																													
		Non-illicit:	None																																													
Graffiti:	None																																															
Erosion:	None																																															
Damage:	None																																															
Deposition:	None 0 in.																																															
				 <p style="text-align: center;">o20100818103836.JPG</p>																																												

<b>Inspection Date:</b> 9/10/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																												
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																														
Submerged: Fully		Depth (in): 22																																														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Sampling Results</b></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>8.19 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>74 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</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:	8.19 units	Gross Solids:	None	Temperature	74 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:	None																																													
Total Chlorine:	0 ppm	Odor:	None																																													
Free Chlorine:	0 ppm	Turbidity:	None																																													
Ammonia:	-- ppm	Color:	None																																													
pH:	8.19 units	Gross Solids:	None																																													
Temperature	74 °F	Vegetation:	None																																													
Conductivity:	-- µS/cm	Benthic Growth:	None																																													
Detergents:	0 mg/L	Stains:	None																																													
		Non-illicit:	None																																													
Graffiti:	None																																															
Erosion:	None																																															
Damage:	None																																															
Deposition:	None 0 in.																																															
				 <p style="text-align: center;">Osh09_DSCN6777.JPG</p>																																												

## 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):



o20161019074236.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.

## Location Map



## Mapping Precision:

## County Coordinates:

Northing: 478,060

Easting: 797,503

## Latitude/Longitude:

Latitude: 44.03095

Longitude: -88.52090

☒ Not Physically Located

Inspection Date: 10/19/2016 7:43:58 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 11-376 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019074246.JPG

## 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

<b>Inspection Date:</b> 9/24/2015 9:06:24 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not located - screened at 11-376 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
<b>Sample Location:</b>		<b>Odor:</b> None		
<b>Total Chlorine:</b> -- ppm		<b>Turbidity:</b> None		
<b>Free Chlorine:</b> -- ppm		<b>Color:</b> None		
<b>Ammonia:</b> -- ppm		<b>Gross Solids:</b> None		
<b>pH:</b> -- units		<b>Vegetation:</b> None		
<b>Temperature:</b> -- °F		<b>Benthic Growth:</b> None		
<b>Conductivity:</b> -- µS/cm		<b>Stains:</b> None		
<b>Detergents:</b> -- mg/L		<b>Non-illicit:</b> Moderate		



o20150924081044.JPG

<b>Inspection Date:</b> 10/9/2014 1:35:21 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not located - screened upstream at 11-376 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	
<b>Sample Location:</b>		<b>Odor:</b> None		
<b>Total Chlorine:</b> -- ppm		<b>Turbidity:</b> None		
<b>Free Chlorine:</b> -- ppm		<b>Color:</b> None		
<b>Ammonia:</b> -- ppm		<b>Gross Solids:</b> None		
<b>pH:</b> -- units		<b>Vegetation:</b> None		
<b>Temperature:</b> -- °F		<b>Benthic Growth:</b> None		
<b>Conductivity:</b> -- µS/cm		<b>Stains:</b> None		
<b>Detergents:</b> -- mg/L		<b>Non-illicit:</b> None		



o20141009123438.JPG

<b>Inspection Date:</b> 10/4/2011 9:20:16 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not physically located. Outfall screened upstream at 11-376 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	
<b>Sample Location:</b>		<b>Odor:</b> None		
<b>Total Chlorine:</b> -- ppm		<b>Turbidity:</b> None		
<b>Free Chlorine:</b> -- ppm		<b>Color:</b> None		
<b>Ammonia:</b> -- ppm		<b>Gross Solids:</b> None		
<b>pH:</b> -- units		<b>Vegetation:</b> None		
<b>Temperature:</b> -- °F		<b>Benthic Growth:</b> None		
<b>Conductivity:</b> -- µS/cm		<b>Stains:</b> None		
<b>Detergents:</b> -- mg/L		<b>Non-illicit:</b> None		




o20111004092048.JPG

<b>Inspection Date:</b> 5/10/2011 12:22:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not physically located. Outfall screened upstream at 11-376 US1.	
<b>Sampling Results</b>		<b>Floatables:</b>	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	
<b>Sample Location:</b>		<b>Odor:</b>		
<b>Total Chlorine:</b> -- ppm		<b>Turbidity:</b>		
<b>Free Chlorine:</b> -- ppm		<b>Color:</b>		
<b>Ammonia:</b> -- ppm		<b>Gross Solids:</b>		
<b>pH:</b> -- units		<b>Vegetation:</b>		
<b>Temperature:</b> -- °F		<b>Benthic Growth:</b>		
<b>Conductivity:</b> -- µS/cm		<b>Stains:</b>		
<b>Detergents:</b> -- mg/L		<b>Non-illicit:</b> None		



o20110510122252.JPG

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<div>Notes</div> <div></div>
Submerged: Fully		Depth (in):		
<div>Sampling Results</div> <div> Sample Location:  Total Chlorine: -- ppm  Free Chlorine: -- ppm  Ammonia: -- ppm  pH: -- units  Temperature: -- °F  Conductivity: -- µS/cm  Detergents: -- mg/L </div>		<div>Floatables:</div> <div></div> <div>Odor:</div> <div></div> <div>Turbidity:</div> <div></div> <div>Color:</div> <div></div> <div>Gross Solids:</div> <div></div> <div>Vegetation:</div> <div></div> <div>Benthic Growth:</div> <div></div> <div>Stains:</div> <div></div> <div>Non-illicit:</div> <div>None</div>		
		<div>Condition Assessment</div> <div> Graffiti: None  Erosion: None  Damage: None  Deposition: in. </div>		





**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):



o20161019074402.JPG

**Outfall Notes:**

Upstream manhole located approx 82 ft W of outfall 11-376. Intermediate area consists of open space in park.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,056

Easting: 797,422

**Latitude/Longitude:**

Latitude: 44.03094

Longitude: -88.52121

**Inspection Date:** 10/19/2016 7:46:56 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate**Notes:** Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 79

**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Faint

☐ Petroleum☐ Musty☒ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Severe

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019074410.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-59

Time Collected: 07:47

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.89 units

Temperature (field): 58 °F

Conductivity (field): 357 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 9:10:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 81		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.88 units	Gross Solids: Severe			
Temperature 68 °F	Vegetation: None			
Conductivity: 397 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150924081150.JPG

<b>Inspection Date:</b> 10/9/2014 1:36:18 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 74		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20141009123616.JPG

<b>Inspection Date:</b> 10/4/2011 9:23:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 79		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			




o20111004092208.JPG

<b>Inspection Date:</b> 5/10/2011 12:23:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted for upstream manhole prescreening.		
Sample Location: --	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20110510122336.JPG

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Abnormal detergent analysis result (bubbles). Significant floating debris in manhole.		 <p>Osh09_DSCN6622.JPG</p>	
Submerged: Fully		Depth (in): 81					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor:		Erosion: None			
Free Chlorine: 0 ppm		Turbidity:		Damage: None			
Ammonia: -- ppm		Color:		Deposition: None		0 in.	
pH: 7.82 units		Gross Solids: Severe					
Temperature: 76 °F		Vegetation:					
Conductivity: -- µS/cm		Benthic Growth:					
Detergents: 0 mg/L		Stains:					
		Non-illicit: None					



## 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): 43

Width (in): 68



o20161019080722.JPG

**Outfall Notes:**

Storm sewer from E Parkway Ave discharges to lake from west. Pipe specs updated in 2011.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 475,149

Easting: 797,690

**Latitude/Longitude:**

Latitude: 44.02297

Longitude: -88.52018

**Inspection Date:** 10/19/2016 8:09:35 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 43

Notes: Outfall fully submerged - screened upstream at 11-400 US2.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Severe

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019080746.JPG

**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



<b>Inspection Date:</b> 10/3/2011 2:45:24 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in): 42				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 11-400 US2. Pipe info from MS4 map.	 o20111003144642.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

<b>Inspection Date:</b> 5/10/2011 9:39:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> 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	<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 11-400 US2. Pipe info from MS4 map.	 o20110510093944.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 16				
<b>Sampling Results</b> 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	<b>Notes</b>	 Osh09_DSCN6633.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

11-897

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019080940.JPG

**Outfall Notes:**

Upstream curb inlet located approx 108 ft SW of outfall 11-400. Intermediate area consists of open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 475,094

Easting: 797,615

**Latitude/Longitude:**

Latitude: 44.02282

Longitude: -88.52047

**Inspection Date:** 10/19/2016 8:12:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 43

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Slight cloudiness

Color: Faint in bottle

Brown

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019080946.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-60

Time Collected: 08:11

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.70 units

Temperature (field): 59 °F

Conductivity (field): 495 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/3/2011 2:50:11 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 41																																				
<b>Sampling Results</b> <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>7.96 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:	7.96 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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Temperature:	70 °F																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 o20111003144844.JPG																																				

<b>Inspection Date:</b> 5/10/2011 9:41:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
<b>Sampling Results</b> <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																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 60px; width: 100%;"> Limited screening conducted for upstream manhole prescreening. </div>																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 o20110510094112.JPG																																				

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Box

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 48

Width (in): 144

Mapping Precision:

Mapping GPS

☐ Not Physically Located



o20161019072718.JPG

Outfall Notes:

Menomonee Park pump station discharge pipe.

County Coordinates:

Northing: 477,432

Easting: 797,601

Latitude/Longitude:

Latitude: 44.02923

Longitude: -88.52053

Location Map



Inspection Date: 10/19/2016 7:29:32 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 48

Notes: Outfall fully submerged - screened upstream at 11-465a US1 (upstream of pump station).

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Moderate

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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



o20161019072744.JPG

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



<b>Inspection Date:</b> 10/4/2011 9:03:56 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 11-465a US1.		 o20111004090522.JPG	
Submerged: Fully		Depth (in): 49					
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 5/10/2011 12:17:00 PM		<b>Type:</b> Other		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 0-24	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 11-465a US1.		 o20110510121750.JPG	
Submerged: Fully		Depth (in):					
<b>Sampling Results</b> 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

MS4 Stormwater Facility

**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):



o20161019073002.JPG

**Outfall Notes:**

First manhole upstream of pump station.  
Approximately 153 ft W of outfall 11-465a.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 477,427

Easting: 797,448

**Latitude/Longitude:**

Latitude: 44.02922

Longitude: -88.52111

**Inspection Date:** 10/19/2016 7:33:56 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Substantial

Submerged: None Depth (in):

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019073014.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 161019-83

Time Collected: 07:33

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.02 units

Temperature (field): 58 °F

Conductivity (field): 927 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/4/2011 8:58:42 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Moderate	<b>Previous Rainfall (hrs):</b> 72+																	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																		
<b>Submerged:</b> None <b>Depth (in):</b>																					
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location: Flow</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: 7.42 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature 62 °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: Flow	Floatables: None	Total Chlorine: 0 ppm	Odor: None	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: None	pH: 7.42 units	Gross Solids: None	Temperature 62 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: None		Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>	
Sample Location: Flow	Floatables: None																				
Total Chlorine: 0 ppm	Odor: None																				
Free Chlorine: 0 ppm	Turbidity: None																				
Ammonia: 0 ppm	Color: None																				
pH: 7.42 units	Gross Solids: None																				
Temperature 62 °F	Vegetation: None																				
Conductivity: -- µS/cm	Benthic Growth: None																				
Detergents: 0 mg/L	Stains: None																				
	Non-illicit: None																				
		Graffiti: None Erosion: None Damage: None Deposition: None      0 in.																			



o20111004085748.JPG

<b>Inspection Date:</b> 5/10/2011 12:12:00 PM		<b>Type:</b> Other	<b>Flow:</b> Moderate	<b>Previous Rainfall (hrs):</b> 0-24																	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																		
<b>Submerged:</b> None <b>Depth (in):</b>																					
<b>Sampling Results</b> <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: None</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: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>	
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																				
		Graffiti: None Erosion: None Damage: None Deposition: None      0 in.																			



o20110510121352.JPG

## 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): 36

Width (in): 58



o20111011075626.JPG

## Outfall Notes:

Storm sewer from Merritt Ave discharges to south end of lagoon. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,372

Easting: 797,845

## Latitude/Longitude:

Latitude: 44.02083

Longitude: -88.51960

Inspection Date: 10/19/2016 8:21:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Notes: Outfall behind locked fence - screened upstream at 11-479 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019081834.JPG

## 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



<b>Inspection Date:</b> 10/11/2011 7:59:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 19				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 11-479 US1.	 o20111011075834.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.		

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 21				
<b>Sampling Results</b> 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	<b>Notes</b>	 Osh09_DSCN6639.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.		

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

11-479

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019081838.JPG

**Outfall Notes:**

Upstream manhole located approx 47 ft S of outfall 11-479. Intermediate area consists of open space in park near zoo.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 474,328

Easting: 797,839

**Latitude/Longitude:**

Latitude: 44.02072

Longitude: -88.51962

**Inspection Date:** 10/19/2016 8:22:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 22

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019081846.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-48

Time Collected: 08:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.88 units


Temperature (field): 59 °F

Conductivity (field): 356 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/11/2011 8:14:32 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 19		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 8.02 units  Temperature: 73 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None      0 in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Slight																					
Non-illicit:	None																					
 o20111011081358.JPG																						

<b>Inspection Date:</b> 5/10/2011 9:21:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b> Limited screening conducted for upstream manhole prescreening.																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>		Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None      0 in. </div>		
Floatables:	None																					
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:	None																					
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
 o20110510092118.JPG																						

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 22		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: -- ppm  pH: 8.86 units  Temperature: 78 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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> </div>		Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None      0 in. </div>		
Floatables:																						
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:																						
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
 Osh09_DSCN6642.JPG																						



## 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

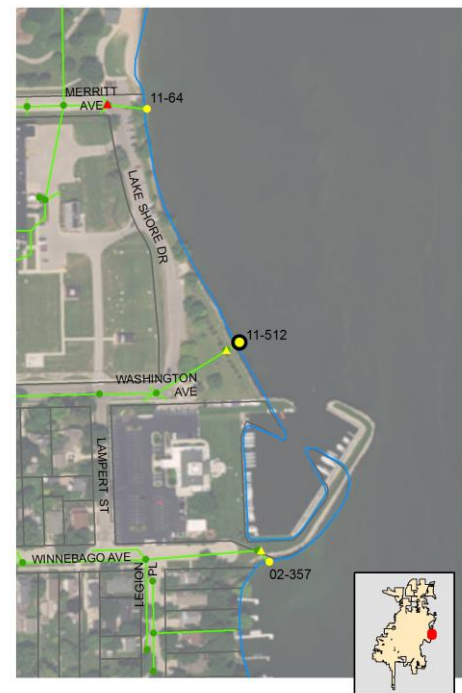


o20161010110358.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 473,370

Easting: 798,806

## Latitude/Longitude:

Latitude: 44.01809

Longitude: -88.51594

Inspection Date: 10/10/2016 11:04:16 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 11-512 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161010110406.JPG

## 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




<b>Inspection Date:</b> 9/22/2015 7:03:32 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not located - screened upstream at 11-512 US1.         </div>																			
Submerged: Fully      Depth (in):																						
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					




o20150922060708.JPG

<b>Inspection Date:</b> 10/9/2014 12:48:49 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not located - screened upstream at 11-512 US1.         </div>																			
Submerged: Fully      Depth (in):																						
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



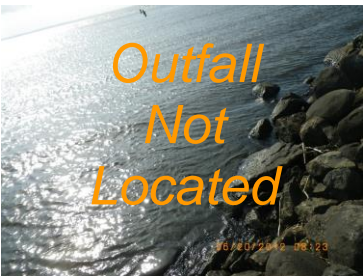
o20141009114820.JPG

<b>Inspection Date:</b> 9/27/2012 8:21:03 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged; screened upstream at 11-512 US1.         </div>																			
Submerged: Fully      Depth (in):																						
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					





o20120927072324.JPG

<b>Inspection Date:</b> 6/20/2012 8:23:31 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 24-48																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Gross solids pre-screening         </div>																			
Submerged: Fully      Depth (in):																						
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



o20120620072350.JPG

<b>Inspection Date:</b> 10/3/2011 12:09:11 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.		 o20111003121010.JPG	
Submerged: Fully		Depth (in):					
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 5/10/2011 9:08:00 AM		<b>Type:</b> Other		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 0-24	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.		 o20110510090810.JPG	
Submerged: Fully		Depth (in):					
<b>Sampling Results</b> 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

## 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):

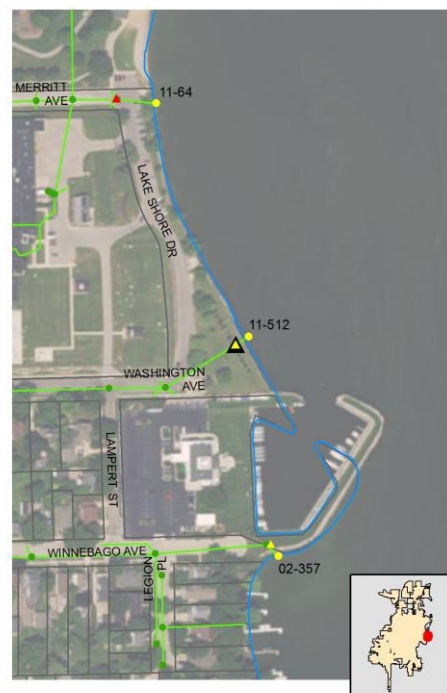
Width (in):



o20161010110436.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 473,351

Easting: 798,773

## Latitude/Longitude:

Latitude: 44.01804

Longitude: -88.51607

Inspection Date: 10/10/2016 11:07:16 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 35

Notes: Potential illicit discharge due to gross solids.

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Severe

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010110444.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-34

Time Collected: 11:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.63 units


Temperature (field): 65 °F


Conductivity (field): 514 µS/cm


Detergents: 0 mg/L




<b>Inspection Date:</b> 9/22/2015 7:04:46 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150922060832.JPG	
Submerged: Fully		Depth (in): 37		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None in.			
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					


<b>Inspection Date:</b> 10/9/2014 12:52:08 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20141009115024.JPG	
Submerged: Fully		Depth (in): 39		Floating gross solids (litter) in manhole.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: Slight cloudiness		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None in.			
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					

<b>Inspection Date:</b> 9/27/2012 8:22:20 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20120927072438.JPG	
Submerged: Fully		Depth (in): 34		2011 gross solids follow-up.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None in.			
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					

<b>Inspection Date:</b> 6/20/2012 8:24:06 AM		<b>Type:</b> Other		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 24-48	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20120620072408.JPG	
Submerged: Fully		Depth (in): 40		Gross solids pre-screening.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: --		Floatables: None		Graffiti: None			
Total Chlorine: -- ppm		Odor: None		Erosion: None			
Free Chlorine: -- ppm		Turbidity: None		Damage: None			
Ammonia: -- ppm		Color: None		Deposition: None in.			
pH: -- units		Gross Solids: Severe					
Temperature: -- °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: None					
Detergents: -- mg/L		Stains: None					
		Non-illicit: None					



<b>Inspection Date:</b> 10/3/2011 12:13:00 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in): 36																				
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.39 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>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Severe																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
		<b>Notes</b> Significant floatable debris in manhole.																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																				
		 o20111003121302.JPG																				

<b>Inspection Date:</b> 5/10/2011 9:08:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in):																				
<b>Sampling Results</b> 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>Severe</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:	Severe	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Floatables:	None																					
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:	Severe																					
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
		<b>Notes</b> Limited screening conducted for upstream manhole prescreening.																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																				
		 o20110510090830.JPG																				

## 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): 60

Width (in): 72



o20161019071028.JPG

## Outfall Notes:

Storm sewer from E Irving Ave discharges to lake from west. Pipe info from MS4 map. Replaces outfall 11-173 (2012).

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 475,866

Easting: 797,658

## Latitude/Longitude:

Latitude: 44.02493

Longitude: -88.52031

Inspection Date: 10/19/2016 7:14:36 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 58

Notes: Outfall partially submerged - screened upstream at 11-1097 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ Natural Sheen☐ Natural Suds/Foam

o20161019071120.JPG

## 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

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

11-1097

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019071546.JPG

**Outfall Notes:**

Upstream manhole located approx 32 ft WSW of outfall 11-1097. Intermediate area consists of open space in park. Replaces 11-173 US1 (2012).

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 475,860

Easting: 797,627

**Latitude/Longitude:**

Latitude: 44.02492

Longitude: -88.52043

**Inspection Date:** 10/19/2016 7:18:02 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, slight flow

Submerged: Partially Depth (in): 57

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ Natural Sheen☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Minor

Depth (in): 5

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage

Notes:



o20161019071552.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-90

Time Collected: 07:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.82 units

Temperature (field): 58 °F

Conductivity (field): 367 µS/cm

Detergents: 0 mg/L



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):



o20161010132552.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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 479,314

Easting: 786,529

## Latitude/Longitude:

Latitude: 44.03438

Longitude: -88.56263

Inspection Date: 10/10/2016 1:26:15 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Graffiti on east bridge abutment. Outfall fully submerged and not located - screened upstream at 12-569 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: Minor

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161010132600.JPG

## 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



<b>Inspection Date:</b> 9/23/2015 11:06:02 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened at 12-569 US1.	 o20150923100828.JPG
			<b>Condition Assessment</b> Graffiti: Moderate Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/7/2014 7:38:26 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on east abutment.	 o20141007063712.JPG
			<b>Condition Assessment</b> Graffiti: Moderate Erosion: None Damage: None Deposition: None in.	

<b>Inspection Date:</b> 10/11/2011 1:49:07 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.	 o20111011134840.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

<b>Inspection Date:</b> 8/19/2010 2:37:50 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.	 o20100819143022.JPG
			<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

12-569

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010132712.JPG

## Outfall Notes:

Upstream manhole located approx 48 ft ESE of outfall 12-569. Intermediate area consists of open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,306

Easting: 786,577

## Latitude/Longitude:

Latitude: 44.03436

Longitude: -88.56245

Inspection Date: 10/10/2016 1:30:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 38

Notes: Potential illicit discharge due to gross solids.

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Slight cloudiness

Color: Clearly visible in bottle

Brown

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010132718.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-76

Time Collected: 13:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.41 units

Temperature (field): 69 °F

Conductivity (field): 616 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 11:06:51 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 40		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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 76 °F	Vegetation: None			
Conductivity: 441 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923101026.JPG

<b>Inspection Date:</b> 10/7/2014 7:39:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 34		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20141007063948.JPG

<b>Inspection Date:</b> 10/11/2011 1:51:24 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 32		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Floatable debris significantly reduced.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20111011134946.JPG

<b>Inspection Date:</b> 5/26/2011 2:40:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted to check for floatable debris.		
Sample Location:	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20110526144100.JPG



<b>Inspection Date:</b> 8/19/2010 2:41:43 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Severe floatable debris
Submerged: Fully		Depth (in): 38		
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.59 units Temperature: 79 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20100819143434.JPG



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Major Outfall

## Shape:

Pipe - Elliptical

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72

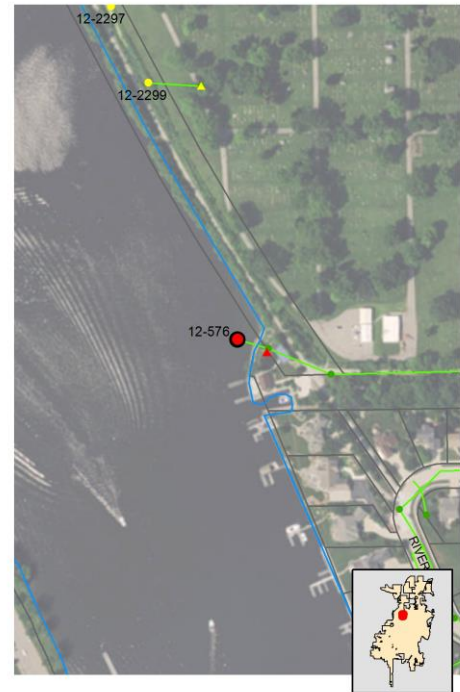


o20161010131428.JPG

## Outfall Notes:

Algoma Blvd storm sewer discharges to Fox River from east. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 481,155

Easting: 785,844

## Latitude/Longitude:

Latitude: 44.03942

Longitude: -88.56524

Inspection Date: 10/10/2016 1:14:55 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 12-576 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161010131430.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 3:11:43 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located- screened at 12-576 US1  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20150923141532.JPG

<b>Inspection Date:</b> 10/9/2014 7:43:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not located - screened upstream at 12-576 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20141009064412.JPG

<b>Inspection Date:</b> 8/19/2010 1:47:19 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 12-576 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	 o20100819133944.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b>   <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	 Osh09_DSCN6673.JPG

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

12-576

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010131456.JPG

## Outfall Notes:

Upstream manhole located approx 52 ft ENE of outfall 12-576. Intermediate area consists of residential lawn area and shoreline.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 481,123

Easting: 785,916

## Latitude/Longitude:

Latitude: 44.03934

Longitude: -88.56496

Inspection Date: 10/10/2016 1:17:02 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 69

Notes:

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010131500.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-04

Time Collected: 13:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.67 units


Temperature (field): 67 °F

Conductivity (field): 496 µS/cm

Detergents: 0 mg/L




<b>Inspection Date:</b> 9/23/2015 3:14:15 PM	<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely	<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully	<b>Depth (in):</b> 70		
<b>Sampling Results</b>		<b>Condition Assessment</b>	
Sample Location: Pool	Floatables: None	Graffiti: None	
Total Chlorine: 0 ppm	Odor: None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None	Damage: None	
Ammonia: 0 ppm	Color: None	Deposition: None	in.
pH: 8.45 units	Gross Solids: Slight		
Temperature 75 °F	Vegetation: None		
Conductivity: 361 µS/cm	Benthic Growth: Slight		
Detergents: 0 mg/L	Stains: None		
	Non-illicit: None		




o20150923141608.JPG

<b>Inspection Date:</b> 10/9/2014 7:46:02 AM	<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential	<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully	<b>Depth (in):</b> 66	Floating gross solids (litter) inside manhole.	
<b>Sampling Results</b>		<b>Condition Assessment</b>	
Sample Location: Pool	Floatables: None	Graffiti: None	
Total Chlorine: 0 ppm	Odor: None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None	Damage: None	
Ammonia: 0 ppm	Color: None	Deposition: None	in.
pH: 7.38 units	Gross Solids: Moderate		
Temperature 53 °F	Vegetation: None		
Conductivity: 663 µS/cm	Benthic Growth: Slight		
Detergents: 0 mg/L	Stains: None		
	Non-illicit: None		




o20141009064434.JPG

<b>Inspection Date:</b> 8/19/2010 1:50:40 PM	<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely	<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully	<b>Depth (in):</b> 72		
<b>Sampling Results</b>		<b>Condition Assessment</b>	
Sample Location: Pool	Floatables: None	Graffiti: None	
Total Chlorine: 0 ppm	Odor: None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None	Damage: None	
Ammonia: 0 ppm	Color: Faint in bottle	Deposition: None	0 in.
pH: 7.85 units	Gross Solids: None		
Temperature 76 °F	Vegetation: None		
Conductivity: -- µS/cm	Benthic Growth: Moderate		
Detergents: 0 mg/L	Stains: Slight		
	Non-illicit: None		



o20100819134200.JPG

<b>Inspection Date:</b> 9/9/2009	<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential	<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully	<b>Depth (in):</b> 68	Abnormal detergent analysis result (bubbles). Significant floatables (bottles) in manhole.	
<b>Sampling Results</b>		<b>Condition Assessment</b>	
Sample Location: Pool	Floatables: None	Graffiti: None	
Total Chlorine: 0 ppm	Odor: None	Erosion: None	
Free Chlorine: 0 ppm	Turbidity: None	Damage: None	
Ammonia: -- ppm	Color: None	Deposition: None	0 in.
pH: 8.46 units	Gross Solids: Severe		
Temperature 69 °F	Vegetation: None		
Conductivity: -- µS/cm	Benthic Growth: None		
Detergents: 0 mg/L	Stains: None		
	Non-illicit: None		



Osh09\_DSCN6675.JPG



Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

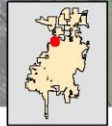


o20161010124836.JPG

Outfall Notes:

Storm sewer from Algoma Blvd and cemetery discharges to river from east.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,806

Easting: 784,550

Latitude/Longitude:

Latitude: 44.04669

Longitude: -88.57017

Inspection Date: 10/10/2016 12:50:26 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 17

Notes: Submerged depth estimated. Outfall partially submerged - screened upstream at 12-1313 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Severe

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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



o20161010124844.JPG

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

<b>Inspection Date:</b> 9/23/2015 2:02:54 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>                      Outfall fully submerged and not located - screened at 12-1313 US1.                 </div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>                      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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>                      Graffiti: None                      Erosion: None                      Damage: None                      Deposition: None in.                 </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20150923130558.JPG																						

<b>Inspection Date:</b> 8/19/2010 12:09:32 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>                      Outfall fully submerged and not physically located. Outfall screened upstream at 12-1313 US1.                 </div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>                      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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>                      Graffiti: None                      Erosion: None                      Damage: None                      Deposition: None 0 in.                 </div>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20100819120152.JPG																						

## Location Map

## Structure Type:

Inlet/Catchbasin

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

12-1313

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010125124.JPG

## Outfall Notes:

Upstream catchbasin located approx 252 ft ENE of outfall 12-1313. Intermediate area consists of open space and cemetery road.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,924

Easting: 784,749

## Latitude/Longitude:

Latitude: 44.04702

Longitude: -88.56941

Inspection Date: 10/10/2016 12:53:53 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Faint

☐ Petroleum☐ Musty☒ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010125134.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-92

Time Collected: 12:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.42 units

Temperature (field): 67 °F

Conductivity (field): 759 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 2:07:15 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 16		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.8 units	Gross Solids: None	<b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None in.		
Temperature 76 °F	Vegetation: None			
Conductivity: 413 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			

<b>Inspection Date:</b> 8/19/2010 12:12:14 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 15		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>		
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: None	<b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None 0 in.		
Temperature 78 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



## Priority Outfall

## Structure Type:

Pond Inlet

## Discharge Location:

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20161010122030.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 487,966

Easting: 784,069

## Latitude/Longitude:

Latitude: 44.05810

Longitude: -88.57201

Inspection Date: 10/10/2016 12:26:38 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Trickle

Submerged: None

Depth (in):

Notes: Elevated pH, but not as high as 2015 screening. Possible residual in upstream pipe.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☒ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010122036.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161010-48

Time Collected: 12:24

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 9.45 units

Temperature (field): 64 °F

Conductivity (field): 880 µS/cm

Detergents: 0 mg/L

Inspection Date: 9/23/2015 12:56:15 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location: Flow	Floatables: None	White silty discharge. Chlorine patches turned yellow (not on scale). Elevated pH and conductivity.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 11.66 units	Gross Solids: Slight			
Temperature 73 °F	Vegetation: None	Condition Assessment		
Conductivity: 2470 µS/cm	Benthic Growth: Moderate	Graffiti: None	Erosion: None	
Detergents: 0 mg/L	Stains: Moderate	Damage: None	Deposition: None	in.
	Non-illicit: None			

## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

PVC

## City ID:

12-2297

## Dimensions

Diameter (in): 8

Height/Depth (in):

Width (in):

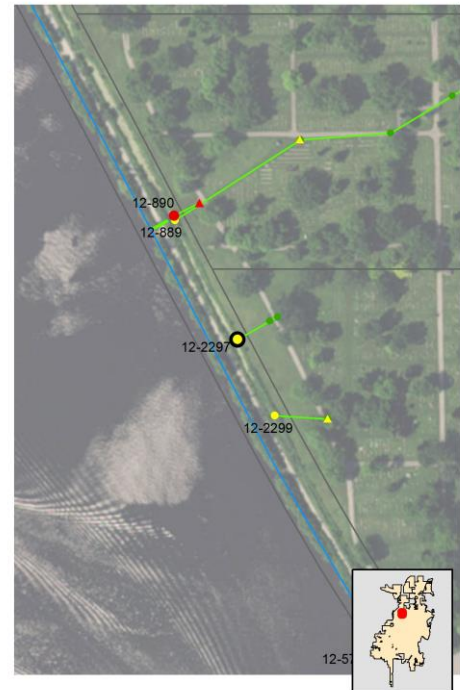


o20150923135544.JPG

## Outfall Notes:

Oak Ave storm sewer discharges to submerged ditch east of trail.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

## County Coordinates:

Northing: 481,974

Easting: 785,550

## Latitude/Longitude:

Latitude: 44.04167

Longitude: -88.56636

Inspection Date: 10/10/2016 1:03:19 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Outfall not located in brush. Assumed dry based on ditch conditions and prior inspections.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010130342.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 2:52:04 PM		<b>Type:</b> Ongoing	<b>Flow:</b> None	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
<b>Submerged:</b> None		<b>Depth (in):</b>		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location:		Pipe damp, 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:	None	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	Slight	
		Stains:	None	
		Non-illicit:	None	
		<b>Condition Assessment</b>		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None in.	



o20150923135548.JPG



## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

PVC

## City ID:

12-2299

## Dimensions

Diameter (in): 8

Height/Depth (in):

Width (in):

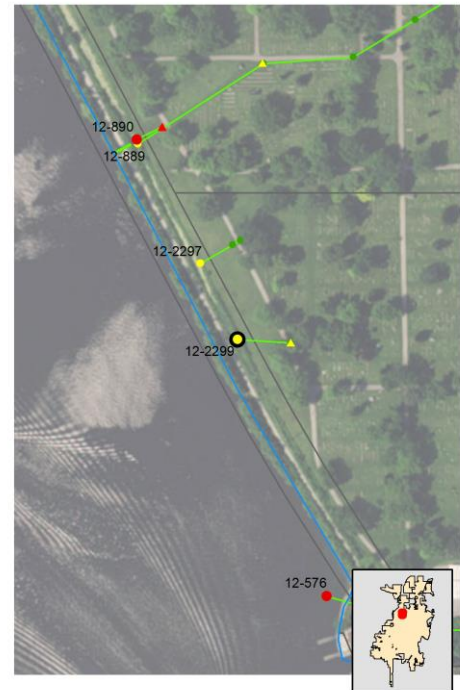


o20161010130606.JPG

## Outfall Notes:

Oak Ave storm sewer discharges to submerged ditch east of trail. Outfall not located - pipe information from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 481,786

Easting: 785,637

## Latitude/Longitude:

Latitude: 44.04115

Longitude: -88.56603

Inspection Date: 10/10/2016 1:07:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: None Depth (in):

Notes: Outfall not located and assumed submerged - screened upstream at 12-2299 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010130608.JPG

## 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: 9/23/2015 3:04:52 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables: None	Outfall not located - screened at 12-2299 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None	Condition Assessment		
Conductivity: -- µS/cm	Benthic Growth: None	Graffiti: None	in.	
Detergents: -- mg/L	Stains: None	Erosion: None		
	Non-illicit: None	Damage: None		
		Deposition: None		



o20150923140518.JPG

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

12-2299

**Dimensions**

Diameter (in):

Height/Depth (in):

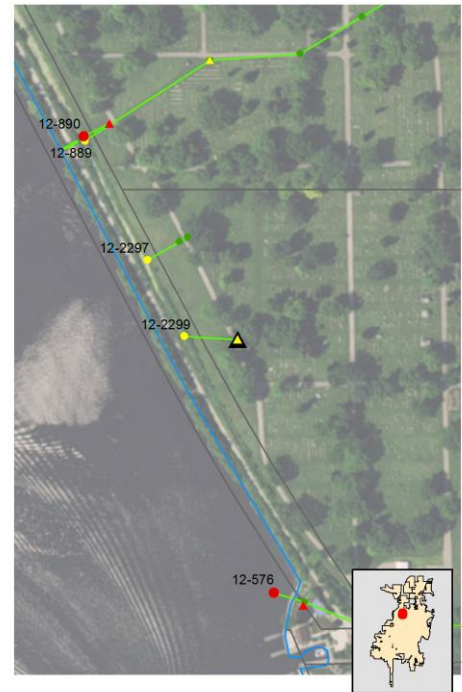
Width (in):



o20161010130810.JPG

**Outfall Notes:**

Upstream catchbasin located approx 130 ft E of outfall 12-2299. Intermediate area consists of open space.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☐ Not Physically Located**County Coordinates:**

Northing: 481,776

Easting: 785,767

**Latitude/Longitude:**

Latitude: 44.04113

Longitude: -88.56553

**Inspection Date:** 10/10/2016 1:08:09 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 16

**Notes:** Grate could not be removed - no sample was collected.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010130830.JPG

**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

<b>Inspection Date:</b> 9/23/2015 3:05:59 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, no flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b> 7" in sump, below exit pipe invert. Grate stuck, so no sample collected.			
Submerged: Partially      Depth (in): 7							
<b>Sampling Results</b>				<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		o20150923140716.JPG	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Major Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20161019150316.JPG

## Outfall Notes:

Storm sewer discharges to channel from south.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 463,926

Easting: 778,351

## Latitude/Longitude:

Latitude: 43.99214

Longitude: -88.59366

Inspection Date: 10/19/2016 3:04:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 22

Notes: Outfall partially submerged - screened upstream at 13-1098 US1. End of pipe recently excavated.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161019150326.JPG

## 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: Severe Depth (in): 16

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

<b>Inspection Date:</b> 9/24/2015 3:10:53 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: None		Depth (in):		
<b>Sampling Results</b>		Notes		
Sample Location:	Floatables:	Outfall not located - screened at 13-1098 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: None in.		



o20150924141536.JPG

<b>Inspection Date:</b> 7/30/2013 7:57:44 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		Notes		
Sample Location:	Floatables:	Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: None in.		



o20130730070410.JPG

<b>Inspection Date:</b> 9/3/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 23		
<b>Sampling Results</b>		Notes		
Sample Location:	Floatables:			
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: 18 in.		



Osh09\_DSCN6427.JPG

## Location Map

## Structure Type:

Inlet/Catchbasin

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

13-1758

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019150604.JPG

## Outfall Notes:

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 463,823

Easting: 778,349

## Latitude/Longitude:

Latitude: 43.99186

Longitude: -88.59366

Inspection Date: 10/19/2016 3:08:52 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019150612.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-36

Time Collected: 15:06

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.27 units


Temperature (field): 67 °F


Conductivity (field): 1550 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 3:16:16 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially      Depth (in): 20																																							
<b>Sampling Results</b> <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>7.1 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1386 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>		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:	Slight	Temperature:	70 °F	Vegetation:	None	Conductivity:	1386 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> Trash around inlet grate, but none in storm sewer.	
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:	Slight																																				
Temperature:	70 °F	Vegetation:	None																																				
Conductivity:	1386 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.																																					
		 o20150924141732.JPG																																					

<b>Inspection Date:</b> 7/30/2013 8:33:34 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially      Depth (in): 22																																							
<b>Sampling Results</b> <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>7.4 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature:</td> <td>65 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1654 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.4 units	Gross Solids:	Slight	Temperature:	65 °F	Vegetation:	None	Conductivity:	1654 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	0 ppm	Color:	None																																				
pH:	7.4 units	Gross Solids:	Slight																																				
Temperature:	65 °F	Vegetation:	None																																				
Conductivity:	1654 µS/cm	Benthic Growth:	None																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 2 in.																																					
		 o20130730073636.JPG																																					

<b>Inspection Date:</b> 9/3/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially      Depth (in): 13																																							
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>0 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>7.09 units</td> <td>Gross Solids:</td> <td></td> </tr> <tr> <td>Temperature:</td> <td>70 °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>		Sample Location:	Pool	Floatables:		Total Chlorine:	0 ppm	Odor:		Free Chlorine:	0 ppm	Turbidity:		Ammonia:	-- ppm	Color:		pH:	7.09 units	Gross Solids:		Temperature:	70 °F	Vegetation:		Conductivity:	-- µS/cm	Benthic Growth:		Detergents:	0 mg/L	Stains:				Non-illicit:	None	<b>Notes</b>	
Sample Location:	Pool	Floatables:																																					
Total Chlorine:	0 ppm	Odor:																																					
Free Chlorine:	0 ppm	Turbidity:																																					
Ammonia:	-- ppm	Color:																																					
pH:	7.09 units	Gross Solids:																																					
Temperature:	70 °F	Vegetation:																																					
Conductivity:	-- µS/cm	Benthic Growth:																																					
Detergents:	0 mg/L	Stains:																																					
		Non-illicit:	None																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																																					
		 Osh09_DSCN6853.JPG																																					



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20161019145222.JPG

## Outfall Notes:

Universal St storm sewer discharges to stream from east.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 461,358

Easting: 778,523

## Latitude/Longitude:

Latitude: 43.98510

Longitude: -88.59299

Inspection Date: 10/19/2016 2:54:11 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 2

Notes: Sample collected from area of concentrated flow immediately downstream from outfall.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161019145234.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-34

Time Collected: 14:53

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.30 units

Temperature (field): 66 °F

Conductivity (field): 1979 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

<b>Inspection Date:</b> 9/24/2015 2:14:57 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Moderate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
<b>Submerged:</b> None		<b>Depth (in):</b>																												
<b>Sampling Results</b>		<b>Notes</b> Moderate flow into detention basin.																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.31 units</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1648 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>					Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.31 units	Temperature:	70 °F	Conductivity:	1648 µS/cm	Detergents:	0 mg/L										
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Floatables:	None																													
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Gross Solids:	None																													
Vegetation:	None																													
Benthic Growth:	Moderate																													
Stains:	Slight																													
Non-illicit:	None																													
Graffiti:	None																													
Erosion:	None																													
Damage:	None																													
Deposition:	None in.																													



o20150924131716.JPG

<b>Inspection Date:</b> 7/30/2013 6:33:19 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Trickle	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
<b>Submerged:</b> None		<b>Depth (in):</b>																												
<b>Sampling Results</b>		<b>Notes</b> 																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.38 units</td> </tr> <tr> <td>Temperature:</td> <td>63 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1764 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>					Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.38 units	Temperature:	63 °F	Conductivity:	1764 µS/cm	Detergents:	0 mg/L										
Sample Location:	Flow																													
Total Chlorine:	0 ppm																													
Free Chlorine:	0 ppm																													
Ammonia:	0 ppm																													
pH:	7.38 units																													
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Floatables:	None																													
Odor:	None																													
Turbidity:	None																													
Color:	None																													
Gross Solids:	None																													
Vegetation:	None																													
Benthic Growth:	Slight																													
Stains:	Moderate																													
Non-illicit:	None																													
Graffiti:	None																													
Erosion:	None																													
Damage:	None																													
Deposition:	Minor 3 in.																													



o20130730053908.JPG

## 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):

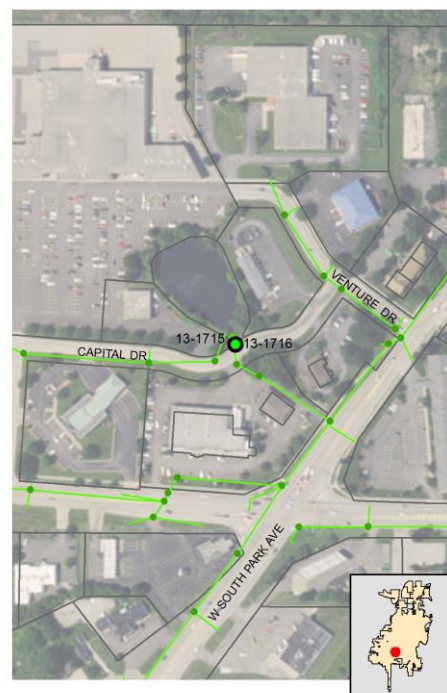


o20161019135344.JPG

## Outfall Notes:

Manhole located approx 17 ft S of pond outlet pipe (13-1716 US2). Pipe from car wash enters from east.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 465,789

Easting: 783,305

## Latitude/Longitude:

Latitude: 43.99727

Longitude: -88.57484

Inspection Date: 10/19/2016 1:54:34 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially

Depth (in): 3

Notes: Sample collected from area where car wash pipe enters manhole.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Cloudy

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: Severe

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ 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

o20161019135400.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-66

Time Collected: 13:57

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 67 °F

Conductivity (field): 649 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 1:32:25 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 3		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.96 units  Temperature: 71 °F  Conductivity: 572 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	Clearly visible in bottl	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </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																					



o20150924123444.JPG

<b>Inspection Date:</b> 10/7/2014 12:25:27 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 2		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 8.1 units  Temperature: -- °F  Conductivity: 618 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>Slight</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>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>Severe</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	Slight	Odor:	None	Turbidity:	Slight cloudiness	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Severe	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	Slight																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	Faint in bottle																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Severe																					
Non-illicit:	None																					



o20141007112352.JPG

<b>Inspection Date:</b> 7/31/2013 12:07:12 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 2		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 1 ppm  pH: 7.81 units  Temperature: 75 °F  Conductivity: 632 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Moderate																					
Non-illicit:	None																					




o20130731111022.JPG

<b>Inspection Date:</b> 9/27/2012 10:59:11 AM		<b>Type:</b> Repeat	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 2		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b> Ammonia/detergent follow-up.																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.88 units  Temperature: 64 °F  Conductivity: 686 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	Slight cloudiness																					
Color:	Faint in bottle																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Slight																					
Non-illicit:	None																					



o20120927100116.JPG



<b>Inspection Date:</b> 6/12/2012 11:42:38 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Partially		Depth (in): 2																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>3 ppm</td> </tr> <tr> <td>pH:</td> <td>7.89 units</td> </tr> <tr> <td>Temperature:</td> <td>64 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1011 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>1.3 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	3 ppm	pH:	7.89 units	Temperature:	64 °F	Conductivity:	1011 µS/cm	Detergents:	1.3 mg/L	<table border="1"> <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>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>Moderate</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	Cloudy	Color:	Clearly visible in bottl	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	Moderate
Sample Location:	Pool																																					
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Detergents:	1.3 mg/L																																					
Floatables:	None																																					
Odor:	Faint																																					
Turbidity:	Cloudy																																					
Color:	Clearly visible in bottl																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Moderate																																					
Non-illicit:	Moderate																																					
		<b>Notes</b> Black pool on flowline with petroleum odor.		 <p>o20120612104548.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					

## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

PVC

## City ID:

N/A

## Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20161019144214.JPG

## Outfall Notes:

Storm sewer from Waukau Ave enters private property before flowing to USH 41 right-of-way. End of pipe not located - based on MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 460,204

Easting: 780,970

## Latitude/Longitude:

Latitude: 43.98194

Longitude: -88.58369

Inspection Date: 10/19/2016 2:43:31 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: End of pipe/manhole not located - screened upstream at 13-1718 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019144214.JPG

## 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: 9/24/2015 2:29:22 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:	Floatables: None	Outfall not located - screened at 13-1718 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None	Condition Assessment		
Temperature -- °F	Vegetation: None	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth: None	Erosion: None		
Detergents: -- mg/L	Stains: None	Damage: None		
	Non-illicit: None	Deposition: None in.		



o20150924133032.JPG

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Supplemental - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

13-1718

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019144316.JPG

## Outfall Notes:

Upstream manhole located approx 80 ft S of outfall 13-1718. Intermediate area consists of street right-of-way and commercial parking lot.



## Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

## County Coordinates:

Northing: 460,124

Easting: 780,967

## Latitude/Longitude:

Latitude: 43.98172

Longitude: -88.58370

Inspection Date: 10/19/2016 2:45:15 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Manhole dry at time of inspection.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019144328.JPG

## 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



<b>Inspection Date:</b> 9/24/2015 2:30:19 PM		<b>Type:</b> Ongoing		<b>Flow:</b> None		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20150924133136.JPG</p>	
Submerged: None		Depth (in):		Flowline damp, but no flow at time of inspection.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: 0		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

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):



o20161019142734.JPG

Outfall Notes:

STH 44 storm sewer discharges to USH 41 right-of-way from west.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,715

Easting: 780,701

Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58472

Inspection Date: 10/19/2016 2:28:19 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Outfall partially submerged - screened upstream at 13-1758 US1.

Submerged: Partially Depth (in): 24

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: Easily detected

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☒ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 13

Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20161019142738.JPG

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

<b>Inspection Date:</b> 9/24/2015 1:57:20 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 24				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: 1 Vegetation: 0 Benthic Growth: 2 Stains: 0 Non-illicit: 0	<b>Notes</b> Outfall partially submerged - screened at 13-1758 US1.	 o20150924125956.JPG
		<b>Condition Assessment</b> Graffiti: 0 Erosion: 0 Damage: 0 Deposition: 2      8 in.		

<b>Inspection Date:</b> 10/7/2014 11:57:15 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 26				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: 1 Vegetation: 0 Benthic Growth: 1 Stains: 0 Non-illicit: 0	<b>Notes</b> Outfall partially submerged - screened upstream at 13-1758 US1.	 o20141007105524.JPG
		<b>Condition Assessment</b> Graffiti: 0 Erosion: 0 Damage: 0 Deposition: 2      8 in.		

<b>Inspection Date:</b> 7/30/2013 7:19:09 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in): 30				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Slight Odor: Faint Turbidity: None Color: None Gross Solids: 1 Vegetation: 0 Benthic Growth: 0 Stains: 0 Non-illicit: 0	<b>Notes</b> Oil containment booms still present in downstream pool. Outfall fully submerged. Screened upstream at 13-1758 US1.	 o20130730062618.JPG
		<b>Condition Assessment</b> Graffiti: 0 Erosion: 0 Damage: 0 Deposition: 2      10 in.		



## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

13-1758

## Dimensions

Diameter (in):

Height/Depth (in):

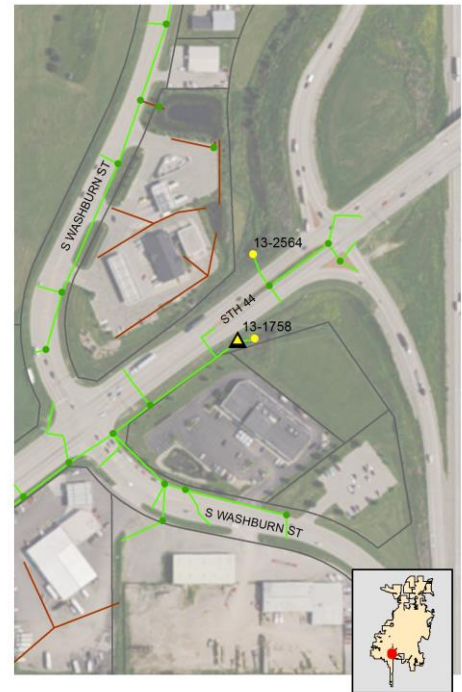
Width (in):



o20161019143006.JPG

## Outfall Notes:

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 462,713

Easting: 780,659

## Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58488

Inspection Date: 10/19/2016 2:33:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Concrete washout on ground near manhole.

Submerged: Partially

Depth (in): 24

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: Moderate

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019143020.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-41

Time Collected: 14:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.72 units

Temperature (field): 67 °F

Conductivity (field): 1270 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 2:02:47 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Partially		Depth (in): 22																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.66 units</td> </tr> <tr> <td>Temperature:</td> <td>72 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1138 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:	72 °F	Conductivity:	1138 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>0</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>1</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>0</td> </tr> <tr> <td>Vegetation:</td> <td>0</td> </tr> <tr> <td>Benthic Growth:</td> <td>1</td> </tr> <tr> <td>Stains:</td> <td>2</td> </tr> <tr> <td>Non-illicit:</td> <td>1</td> </tr> </table>	Floatables:	0	Odor:	None	Turbidity:	1	Color:	None	Gross Solids:	0	Vegetation:	0	Benthic Growth:	1	Stains:	2	Non-illicit:	1	<b>Notes</b> No remaining evidence of former petroleum discharge.	
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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Turbidity:	1																																					
Color:	None																																					
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Graffiti:	0																																					
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o20150924130406.JPG

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

13-1758

## Dimensions

Diameter (in):

Height/Depth (in):

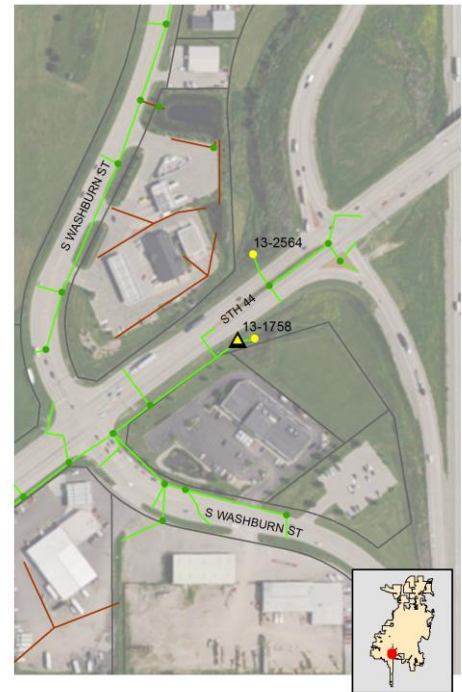
Width (in):



o20161019143006.JPG

## Outfall Notes:

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 462,713

Easting: 780,659

## Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58488

Inspection Date: 10/19/2016 2:33:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Concrete washout on ground near manhole.

Submerged: Partially

Depth (in): 24

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: Moderate

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019143020.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-41

Time Collected: 14:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.72 units


Temperature (field): 67 °F

Conductivity (field): 1270 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 2:02:47 PM		<b>Type:</b> Ongoing	<b>Flow:</b> 20	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
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		<p><u>Notes</u></p> <p>No remaining evidence of former petroleum discharge.</p>		 <p style="text-align: center;">o20150924130406.JPG</p>																																		
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<b>Inspection Date:</b> 10/7/2014 12:02:49 PM		<b>Type:</b> Ongoing	<b>Flow:</b> 20	<b>Previous Rainfall (hrs):</b> 48-72																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
<b>Submerged:</b> Partially		<b>Depth (in):</b> 22																																				
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Vegetation:	0																																					
Benthic Growth:	1																																					
Stains:	2																																					
Non-illicit:	0																																					
		<p><u>Notes</u></p> <p>Floating gross solids (litter) in manhole.</p>		 <p style="text-align: center;">o20141007110058.JPG</p>																																		
		<p><u>Condition Assessment</u></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>0</td></tr> <tr><td>Erosion:</td><td>0</td></tr> <tr><td>Damage:</td><td>0</td></tr> <tr><td>Deposition:</td><td>0 in.</td></tr> </table>			Graffiti:	0	Erosion:	0	Damage:	0	Deposition:	0 in.																										
Graffiti:	0																																					
Erosion:	0																																					
Damage:	0																																					
Deposition:	0 in.																																					

<b>Inspection Date:</b> 7/30/2013 7:22:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> 20	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
<b>Submerged:</b> Partially		<b>Depth (in):</b> 27																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><u>Sampling Results</u></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.6 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>1071 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>2</td></tr> <tr><td>Odor:</td><td>2</td></tr> <tr><td>Turbidity:</td><td>0</td></tr> <tr><td>Color:</td><td>0</td></tr> <tr><td>Gross Solids:</td><td>1</td></tr> <tr><td>Vegetation:</td><td>0</td></tr> <tr><td>Benthic Growth:</td><td>0</td></tr> <tr><td>Stains:</td><td>3</td></tr> <tr><td>Non-illicit:</td><td>0</td></tr> </table> </div> </div>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.6 units	Temperature:	67 °F	Conductivity:	1071 µS/cm	Detergents:	0 mg/L	Floatables:	2	Odor:	2	Turbidity:	0	Color:	0	Gross Solids:	1	Vegetation:	0	Benthic Growth:	0	Stains:	3	Non-illicit:	0
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.6 units																																					
Temperature:	67 °F																																					
Conductivity:	1071 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	2																																					
Odor:	2																																					
Turbidity:	0																																					
Color:	0																																					
Gross Solids:	1																																					
Vegetation:	0																																					
Benthic Growth:	0																																					
Stains:	3																																					
Non-illicit:	0																																					
		<p><u>Notes</u></p> <p>Petroleum odor still present. Slight sheen observed.</p>		 <p style="text-align: center;">o20130730062844.JPG</p>																																		
		<p><u>Condition Assessment</u></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>0</td></tr> <tr><td>Erosion:</td><td>0</td></tr> <tr><td>Damage:</td><td>0</td></tr> <tr><td>Deposition:</td><td>0 in.</td></tr> </table>			Graffiti:	0	Erosion:	0	Damage:	0	Deposition:	0 in.																										
Graffiti:	0																																					
Erosion:	0																																					
Damage:	0																																					
Deposition:	0 in.																																					

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

13-2957

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019134240.JPG

**Outfall Notes:**

Upstream manhole located approx 57 ft W of outfall 13-2957. Intermediate area consists of open space in park.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 469,054

Easting: 787,925

**Latitude/Longitude:**

Latitude: 44.00623

Longitude: -88.55729

**Inspection Date:** 10/19/2016 1:45:38 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, slight flow

Submerged: Partially Depth (in): 22

**Notes:****Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Slight cloudiness

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage

o20161019134250\_1.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 161019-76

Time Collected: 13:46

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.98 units

Temperature (field): 65 °F

Conductivity (field): 1234 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 1:16:09 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 19		
<b>Sampling Results</b>		Notes		
Sample Location:	Pool	Floatables:	Slight	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	Cloudy	
Ammonia:	0 ppm	Color:	None	
pH:	7.95 units	Gross Solids:	None	
Temperature:	70 °F	Vegetation:	None	
Conductivity:	1305 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None in.	

Photo Not Available

<b>Inspection Date:</b> 6/12/2012 1:36:29 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 23		
<b>Sampling Results</b>		Notes		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness	
Ammonia:	0 ppm	Color:	None	
pH:	8.35 units	Gross Solids:	None	
Temperature:	71 °F	Vegetation:	None	
Conductivity:	1336 µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None in.	



o20120612123728.JPG

<b>Inspection Date:</b> 9/4/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		Notes		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	-- ppm	Color:	None	
pH:	8.1 units	Gross Solids:	None	
Temperature:	66 °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	0 mg/L	Stains:		
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None 0 in.	



Osh09\_DSCN6486.JPG

## 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):



o20161019151758.JPG

## Outfall Notes:

Storm sewer from Koeller St and Menard Dr discharges to west side of detention basin.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 468,701

Easting: 782,214

## Latitude/Longitude:

Latitude: 44.00525

Longitude: -88.57900

Inspection Date: 10/19/2016 3:20:01 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Trickle

Submerged: None Depth (in):

Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☒ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019151808.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-02

Time Collected: 15:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 8.07 units

Temperature (field): 66 °F

Conductivity (field): 1396 µS/cm

Detergents: 0 mg/L

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):		 o20150928090940.JPG	
Sampling Results					
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	Condition Assessment			
Temperature 70 °F	Vegetation: None	Graffiti: None			
Conductivity: 455 µS/cm	Benthic Growth: Moderate	Erosion: None			
Detergents: 0 mg/L	Stains: Slight	Damage: None			
	Non-illicit: None	Deposition: None in.			

## 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): 42

Height/Depth (in):

Width (in):



o20161019132504.JPG

## Outfall Notes:

Storm sewer from W 24th Ave discharges to lake from west. Pipe info from MS4 map - pipe seemed to measure 72".

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 463,884

Easting: 793,500

## Latitude/Longitude:

Latitude: 43.99206

Longitude: -88.53610

Inspection Date: 10/19/2016 1:24:04 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 77

Notes: Outfall fully submerged - screened upstream at 14-188 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019132510.JPG

## 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



<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> None		<b>Previous Rainfall (hrs):</b> 72+																															
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>																																	
Submerged: Partially      Depth (in): 27																																					
<b>Sampling Results</b>				<b>Condition Assessment</b>																																	
<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>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>Slight</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:	Slight
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																																				
				<table border="1"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None      0 in.</td></tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None      0 in.	<p>Osh09_DSCN6721.JPG</p>																							
Graffiti:	None																																				
Erosion:	None																																				
Damage:	None																																				
Deposition:	None      0 in.																																				

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

14-188

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019132652.JPG

## Outfall Notes:

Upstream manhole located approx 25 ft W of outfall 14-188. Intermediate area consists of paved driveway to parking area.



## Mapping Precision:

☐ Not Physically Located

## County Coordinates:

Northing: 463,881

Easting: 793,463

## Latitude/Longitude:

Latitude: 43.99205

Longitude: -88.53624

Inspection Date: 10/19/2016 1:29:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 85

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: None

☐ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-illicit: Slight

☒ Natural Sheen

☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

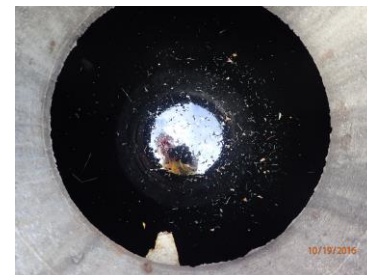
Damage: None

☐ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage


o20161019132700.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-16

Time Collected: 13:26

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 8.10 units

Temperature (field): 65 °F

Conductivity (field): 392 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Osh09_DSCN6724.JPG</p>	
Submerged: Partially      Depth (in): 22							
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables:		Graffiti: None			
Total Chlorine: 0 ppm		Odor:		Erosion: None			
Free Chlorine: 0 ppm		Turbidity:		Damage: None			
Ammonia: -- ppm		Color:		Deposition: None      0 in.			
pH: 8.68 units		Gross Solids:					
Temperature 79 °F		Vegetation:					
Conductivity: -- µS/cm		Benthic Growth:					
Detergents: 0 mg/L		Stains:					
		Non-illicit: None					

## 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): 31

Width (in): 50



o20161010075346.JPG

## Outfall Notes:

Storm sewer from S Main St discharges to lake from west. Outfall fully submerged - pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 465,635

Easting: 793,570

## Latitude/Longitude:

Latitude: 43.99687

Longitude: -88.53583

Inspection Date: 10/10/2016 7:53:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in):

Notes: Outfall fully submerged - screened upstream at 14-331 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010075400.JPG

## 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



<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<b>Notes</b>	
Submerged: Partially		Depth (in): 30	 <p>Osh09_DSCN6727.JPG</p>	
<b>Sampling Results</b>				
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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

14-331

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010075808.JPG

## Outfall Notes:

Upstream manhole located approx 29 ft W of outfall 14-331. Intermediate area consists of open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 465,639

Easting: 793,540

## Latitude/Longitude:

Latitude: 43.99688

Longitude: -88.53595

Inspection Date: 10/10/2016 8:00:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Turbidity from manhole entry.

Submerged: Partially Depth (in): 20

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010075814.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-69

Time Collected: 07:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.70 units

Temperature (field): 62 °F

Conductivity (field): 600 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/17/2010 12:40:43 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in): 25																				
<b>Sampling Results</b>		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.52 units</td></tr> <tr><td>Temperature:</td><td>79 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>					Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.52 units	Temperature:	79 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L		
Sample Location:	Pool																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.52 units																					
Temperature:	79 °F																					
Conductivity:	-- µS/cm																					
Detergents:	0 mg/L																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>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	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



o20100817123534.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially		Depth (in): 23																				
<b>Sampling Results</b>		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>8.96 units</td></tr> <tr><td>Temperature:</td><td>80 °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:	8.96 units	Temperature:	80 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L		
Sample Location:	Pool																					
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Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					



Osh09\_DSCN6859.JPG

## 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): 36

Width (in): 58



o20161010081152.JPG

## Outfall Notes:

Storm sewer from W 17th Ave discharges to lake from west. Pipe dimensions from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 467,212

Easting: 793,167

## Latitude/Longitude:

Latitude: 44.00119

Longitude: -88.53737

Inspection Date: 10/10/2016 8:14:56 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

Notes: Outfall partially submerged - screened upstream at 14-400 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010081304.JPG

## Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

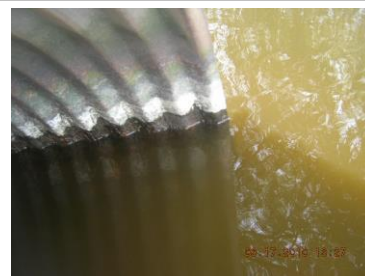
Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L



<b>Inspection Date:</b> 8/17/2010 1:35:34 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 17																						
<b>Sampling Results</b> <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:	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 14-400 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:																					
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Graffiti:	None																					
Erosion:	None																					
Damage:	Minor																					
Deposition:	None      0 in.																					



o20100817132746.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 14																						
<b>Sampling Results</b> <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:	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 14-400 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:																					
		<b>Condition Assessment</b> <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>Damage:</td> <td>Minor</td> </tr> <tr> <td>Deposition:</td> <td>None      0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	Minor	Deposition:	None      0 in.										
Graffiti:	None																					
Erosion:	None																					
Damage:	Minor																					
Deposition:	None      0 in.																					



Osh09\_DSCN6730.JPG

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

14-400

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161010081632.JPG

**Outfall Notes:**

Upstream manhole located approx 38 ft W of outfall 14-400. Intermediate area consists of wooded shoreline.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 467,219

Easting: 793,129

**Latitude/Longitude:**

Latitude: 44.00121

Longitude: -88.53751

**Inspection Date:** 10/10/2016 8:19:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 13

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010081648.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-15

Time Collected: 08:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.17 units

Temperature (field): 61 °F

Conductivity (field): 375 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/17/2010 1:39:35 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 11		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Ammonia: 0 ppm	Color: None			
pH: 7.9 units	Gross Solids: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Temperature 76 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		



o20100817133210.JPG

<b>Inspection Date:</b> 9/9/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 8		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Ammonia: -- ppm	Color: None			
pH: 8.88 units	Gross Solids: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Temperature 80 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		



Osh09\_DSCN6733.JPG

## 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):

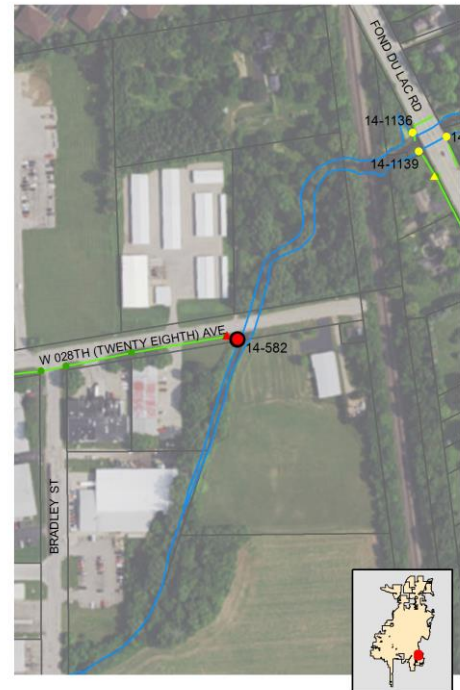


o20161019125006.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 462,013

Easting: 793,247

## Latitude/Longitude:

Latitude: 43.98693

Longitude: -88.53705

Inspection Date: 10/19/2016 12:51:41 PM Inspector: JCW Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

Notes: Outfall partially submerged - screened upstream at 14-582 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Slight ☒ Green ☐ BrownStains: Moderate ☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

o20161019124922.JPG

## 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





<b>Inspection Date:</b> 9/24/2015 12:34:42 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20150924113630.JPG	
Submerged: Partially      Depth (in): 11				Outfall partially submerged - screened at 14-582 US1.			
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> None <b>Vegetation:</b> None <b>Benthic Growth:</b> Moderate <b>Stains:</b> Moderate <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None      in.			
<b>Sample Location:</b> <b>Total Chlorine:</b> -- ppm <b>Free Chlorine:</b> -- ppm <b>Ammonia:</b> -- ppm <b>pH:</b> -- units <b>Temperature:</b> -- °F <b>Conductivity:</b> -- µS/cm <b>Detergents:</b> -- mg/L							


<b>Inspection Date:</b> 10/7/2014 1:07:56 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 48-72	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20141007120544.JPG	
Submerged: Partially      Depth (in): 5				Outfall partially submerged - screened upstream at 14-582 US1.			
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> None <b>Vegetation:</b> None <b>Benthic Growth:</b> Moderate <b>Stains:</b> Severe <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None      in.			
<b>Sample Location:</b> <b>Total Chlorine:</b> -- ppm <b>Free Chlorine:</b> -- ppm <b>Ammonia:</b> -- ppm <b>pH:</b> -- units <b>Temperature:</b> -- °F <b>Conductivity:</b> -- µS/cm <b>Detergents:</b> -- mg/L							


<b>Inspection Date:</b> 7/31/2013 10:23:22 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, slight flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20130731092642.JPG	
Submerged: Partially      Depth (in): 11				Outfall partially submerged. Outfall screened upstream at 14-582 US1.			
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> None <b>Vegetation:</b> None <b>Benthic Growth:</b> Slight <b>Stains:</b> Slight <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None      in.			
<b>Sample Location:</b> <b>Total Chlorine:</b> -- ppm <b>Free Chlorine:</b> -- ppm <b>Ammonia:</b> -- ppm <b>pH:</b> -- units <b>Temperature:</b> -- °F <b>Conductivity:</b> -- µS/cm <b>Detergents:</b> -- mg/L							

<b>Inspection Date:</b> 9/27/2012 11:43:23 AM		<b>Type:</b> Repeat		<b>Flow:</b> Submerged, slight flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20120927103918.JPG	
Submerged: Partially      Depth (in): 6				Gel-like sheen on surface of stream. Outfall partially submerged; additional screening upstream at 14-582 US7.			
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> None <b>Vegetation:</b> None <b>Benthic Growth:</b> Moderate <b>Stains:</b> Severe <b>Non-illicit:</b> None		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None      in.			
<b>Sample Location:</b> Pool <b>Total Chlorine:</b> 0 ppm <b>Free Chlorine:</b> 0 ppm <b>Ammonia:</b> 0 ppm <b>pH:</b> 7.77 units <b>Temperature:</b> 64 °F <b>Conductivity:</b> 1077 µS/cm <b>Detergents:</b> 0 mg/L							

<b>Inspection Date:</b> 9/5/2012 11:52:00 AM		<b>Type:</b> Complaint		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20120905105212.JPG</p>	
Submerged: Partially		Depth (in): 12		Dark black substance in water around outfall and bridge. Sample collected from stream.			
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 75 units Temperature: -- °F Conductivity: 1419 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Noticeable from a dist Turbidity: Cloudy Color: Clearly visible in flow Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 6/20/2012 12:02:16 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 24-48	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20120620110152.JPG</p>	
Submerged: Partially		Depth (in): 12		Outfall partially submerged; screened upstream at 14-582 US7.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 10/5/2011 12:26:00 PM		<b>Type:</b> Repeat		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Obvious		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20111005122620.JPG</p>	
Submerged: Partially		Depth (in):		Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.			
<b>Sampling Results</b> 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		<b>Condition Assessment</b> Graffiti: Erosion: Damage: Deposition: in.			

<b>Inspection Date:</b> 5/26/2011 12:21:00 PM		<b>Type:</b> Repeat		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Obvious		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20110526112114.jpg</p>	
Submerged: Partially		Depth (in):		Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.			
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Noticeable from a dist Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:		<b>Condition Assessment</b> Graffiti: Erosion: Damage: Deposition: in.			

<b>Inspection Date:</b> 5/12/2011 1:03:00 PM		<b>Type:</b> Complaint	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Obvious		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in):		
<u>Sampling Results</u>		<b>Notes</b> 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	
		<b>Condition Assessment</b> Graffiti: Erosion: Damage: Deposition: in.		



o20110512133142.jpg



## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

14-582

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019125212.JPG

## Outfall Notes:

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



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 462,023

Easting: 793,221

## Latitude/Longitude:

Latitude: 43.98696

Longitude: -88.53715

Inspection Date: 10/19/2016 12:54:50 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 4

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019125222.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-82

Time Collected: 12:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.65 units


Temperature (field): 65 °F


Conductivity (field): 1620 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 12:40:02 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 7		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.38 units  Temperature: 72 °F  Conductivity: 780 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
 o20150924114134.JPG																						

<b>Inspection Date:</b> 10/7/2014 1:11:52 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 2		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.73 units  Temperature: -- °F  Conductivity: 1481 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Slight																					
Non-illicit:	None																					
 o20141007120930.JPG																						

<b>Inspection Date:</b> 7/31/2013 10:27:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 5		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.52 units  Temperature: 72 °F  Conductivity: 1403 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	Slight																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Slight																					
Non-illicit:	None																					
 o20130731093036.JPG																						

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):

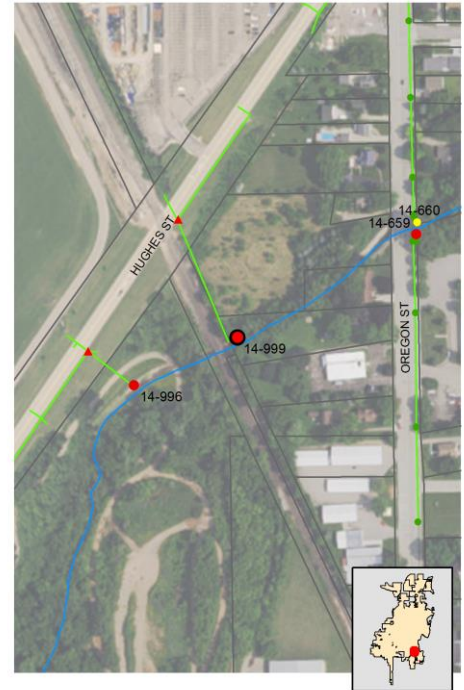


o20161019130900.JPG

Outfall Notes:

Hughes St storm sewer discharges to stream from north.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,824

Easting: 791,411

Latitude/Longitude:

Latitude: 43.98915

Longitude: -88.54403

Inspection Date: 10/19/2016 1:11:20 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None

Depth (in):

Notes: Last pipe segment displaced 4" at joint.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-illicit: None

☐ Natural Sheen

☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

☒ Displacement

☐ Undercut

☐ Crushed

☐ Corrosion

☐ Cracks/Structural Damage



o20161019130908.JPG

Sampling Results

Sample Location: Flow

Sample ID: 161019-49

Time Collected: 13:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.24 units

Temperature (field): 65 °F

Conductivity (field): 765 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 12:55:30 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Moderate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: None		Depth (in):		
<b>Sampling Results</b>		Notes: 4" joint displacement.		
Sample Location: Flow	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Moderate Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.17 units	Gross Solids: None			
Temperature: 72 °F	Vegetation: None			
Conductivity: 1595 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			



o20150924115728.JPG

<b>Inspection Date:</b> 7/31/2013 7:27:16 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Trickle	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: None		Depth (in):		
<b>Sampling Results</b>		Notes: End section displaced 4".		
Sample Location: Flow	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.05 units	Gross Solids: None			
Temperature: 71 °F	Vegetation: None			
Conductivity: 1865 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			



o20130731063036.JPG

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



Osh09\_DSCN6570.JPG



## Priority Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Adjacent Municipality

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20161019124050.JPG

## Outfall Notes:

Swale on south side of Waukau Ave discharges to railroad right-of-way via 24" CMP culvert.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

## County Coordinates:

Northing: 459,943

Easting: 792,565

## Latitude/Longitude:

Latitude: 43.98125

Longitude: -88.53964

Inspection Date: 10/19/2016 12:41:44 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Corrugations wet, but no flow. 10" of stone in end of pipe. RR ties obstructing end.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☒ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 10

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20161019124104.JPG

## 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: 9/24/2015 12:22:34 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW			
Submerged: None		Depth (in):			
Sampling Results		Notes			
Sample Location:		Partially filled with stone.			
Total Chlorine: -- ppm	Floatables: None	Condition Assessment		o20150924112622.JPG	
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	Graffiti: None	Erosion: None	Damage: None	Deposition: Moderate 10 in.



o20150924112622.JPG

## 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):



o20161019120656.JPG

## Outfall Notes:

Storm sewer from W Murdock Ave discharges to SW corner of detention basin. MS4 mapping does not show distinction from 15-146.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 481,232

Easting: 792,363

## Latitude/Longitude:

Latitude: 44.03965

Longitude: -88.54045

Inspection Date: 10/19/2016 12:09:41 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially

Depth (in): 7

Notes: Sample collected from concentrated flow in outfall pool.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019120708.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-69

Time Collected: 12:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.57 units


Temperature (field): 66 °F

Conductivity (field): 1099 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/24/2015 8:10:48 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 8				
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.99 units Temperature: 67 °F Conductivity: 1153 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	<b>Notes</b> Construction and traffic prevented screening at US1. Sample collected from outfall pool.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20150924071336.JPG

<b>Inspection Date:</b> 10/6/2011 2:30:02 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 6				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: Moderate	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-143 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	 o20111006142826.JPG

<b>Inspection Date:</b> 5/12/2011 12:43:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<b>Sampling Results</b> 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-143 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.	 o20110512124336.JPG



## Priority Outfall

## Structure Type:

Pond Inlet

## Discharge Location:

MS4 Stormwater Facility

## NR 216 Class:

Supplemental Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20161019121316.JPG

## Outfall Notes:

Storm sewer from W Murdock Ave discharges to SW corner of detention basin.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 481,251

Easting: 792,398

## Latitude/Longitude:

Latitude: 44.03970

Longitude: -88.54032

Inspection Date: 10/19/2016 12:14:54 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, slight flow

Submerged: Partially

Depth (in): 7

Notes: Sample collected from concentrated flow in outfall pool.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: Moderate

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161019121322.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161019-03

Time Collected: 12:14

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.60 units

Temperature (field): 65 °F

Conductivity (field): 1026 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



<b>Inspection Date:</b> 9/24/2015 8:19:03 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 6				
<u>Sampling Results</u>		<u>Notes</u>		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;">           Outfall partially submerged - screened at 15-146 US1.         </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:	<u>Condition Assessment</u> Graffiti: None Erosion: None Damage: None Deposition: None      in.		



o20150924072144.JPG

<b>Inspection Date:</b> 10/6/2011 2:26:18 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 6				
<u>Sampling Results</u>		<u>Notes</u>		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;">           Outfall partially submerged. Outfall screened upstream at 15-146 US1.         </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:	<u>Condition Assessment</u> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20111006142544.JPG

<b>Inspection Date:</b> 5/12/2011 12:38:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<u>Sampling Results</u>		<u>Notes</u>		
Sample Location:	Floatables:	<div style="border: 1px solid black; padding: 5px;">           Outfall partially submerged. Outfall screened upstream at 15-146 US1.         </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:	<u>Condition Assessment</u> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20110512123858.JPG

## 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): 34

Width (in): 53



o20111004093140.JPG

## Outfall Notes:

Storm sewer from New York Ave discharges to lake from west. Outfall fully submerged and extends more than 25 ft into water. GPS coordinate at shoreline.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 478,535

Easting: 797,609

## Latitude/Longitude:

Latitude: 44.03226

Longitude: -88.52050

Inspection Date: 10/19/2016 7:55:27 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 15-636 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019075416.JPG

## 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

<b>Inspection Date:</b> 10/4/2011 9:33:13 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 15-636 US1.	 o20111004093148.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 5/10/2011 12:30:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 15-636 US1.	 o20110510122252.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

15-2650

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019075512.JPG

**Outfall Notes:**

Upstream manhole located approx 54 ft W of outfall 15-636. Intermediate area consists of open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,535

Easting: 797,555

**Latitude/Longitude:**

Latitude: 44.03226

Longitude: -88.52070

**Inspection Date:** 10/19/2016 7:57:37 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 34

**Notes:** Potential illicit discharge due to gross solids.**Illicit Discharge Potential:** Potential☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

☐ Green

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

o20161019075520.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-26

Time Collected: 07:57

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.87 units

Temperature (field): 58 °F

Conductivity (field): 359 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



<b>Inspection Date:</b> 10/4/2011 9:36:39 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Fully		Depth (in): 34																																													
<b>Sampling Results</b> <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>7.68 units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>62 °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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.68 units	Gross Solids:	Moderate	Temperature:	62 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b>     <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:	None																																												
Total Chlorine:	0 ppm	Odor:	None																																												
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Detergents:	0 mg/L	Stains:	None																																												
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														
			 o20111004093530.JPG																																												

<b>Inspection Date:</b> 5/10/2011 12:23:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Fully		Depth (in):																																													
<b>Sampling Results</b> <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>Slight</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:	Slight	Temperature:	-- °F	Vegetation:		Conductivity:	-- µS/cm	Benthic Growth:		Detergents:	-- mg/L	Stains:				Non-illicit:	None	<b>Notes</b> Limited screening conducted for upstream manhole prescreening.   <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:		Floatables:	None																																												
Total Chlorine:	-- ppm	Odor:																																													
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Temperature:	-- °F	Vegetation:																																													
Conductivity:	-- µS/cm	Benthic Growth:																																													
Detergents:	-- mg/L	Stains:																																													
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														
			 o20110510123050.JPG																																												

## 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):



o20161019102352.JPG

## Outfall Notes:

Storm sewer from Harrison St discharges to stream from west. South pipe.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,798

Easting: 794,430

## Latitude/Longitude:

Latitude: 44.04669

Longitude: -88.53259

Inspection Date: 10/19/2016 10:26:07 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

Notes: Outfall partially submerged - screened upstream at 15-744 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161019102400.JPG

## 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

<b>Inspection Date:</b> 10/6/2011 12:56:46 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 10				
<b>Sampling Results</b>		<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-744 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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20111006125708.JPG

<b>Inspection Date:</b> 5/26/2011 8:20:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<b>Sampling Results</b>		<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-744 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:	None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20110526082012.JPG

<b>Inspection Date:</b> 9/2/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 12				
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor      2 in.		



Osh09\_DSCN6391.JPG



## Location Map

## Structure Type:

Inlet/Catchbasin

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

15-744

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019103306.JPG

## Outfall Notes:

Upstream manhole (inlet) located approx 48 ft W of outfall 15-744. Intermediate area consists of road right-of-way.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,788

Easting: 794,364

## Latitude/Longitude:

Latitude: 44.04666

Longitude: -88.53284

Inspection Date: 10/19/2016 10:36:54 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019103318.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-24

Time Collected: 10:34

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 64 °F

Conductivity (field): 1060 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/6/2011 12:59:44 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 11		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Ammonia: 0 ppm	Color: None			
pH: 7.73 units	Gross Solids: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Temperature 74 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		



o20111006125930.JPG

<b>Inspection Date:</b> 5/26/2011 8:26:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location:	Floatables:	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Detergents: -- mg/L	Stains:			
	Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		



o20110526082622.JPG

<b>Inspection Date:</b> 9/2/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 13		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b> </div>				
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Ammonia: -- ppm	Color: None			
pH: 8.1 units	Gross Solids: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Temperature 71 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		
Detergents: 0 mg/L	Stains:			
	Non-illicit: None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>		



Osh09\_DSCN6886.JPG

## 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): 31

Width (in): 50

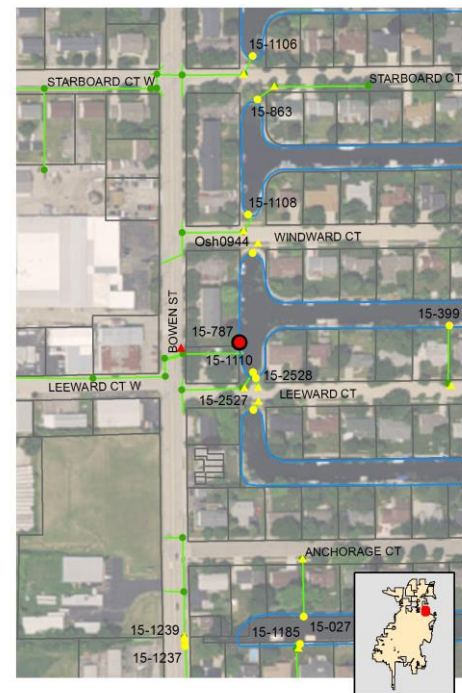


o20161019091006.JPG

## Outfall Notes:

Storm sewer from Leeward Ct discharges to lagoon from west. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 484,539

Easting: 795,788

## Latitude/Longitude:

Latitude: 44.04872

Longitude: -88.52743

Inspection Date: 10/19/2016 9:13:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 27

Notes: Outfall partially submerged - screened upstream at 15-787 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Severe

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019091126.JPG

## 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

<b>Inspection Date:</b> 10/5/2011 10:18:50 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20111005101848.JPG	
Submerged: Partially      Depth (in): 26				Outfall partially submerged. Outfall screened upstream at 15-787 US1.			
<b>Sampling Results</b>		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None		<b>Condition Assessment</b>			
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L				Graffiti: None Erosion: None Damage: None Deposition: None      0 in.			

<b>Inspection Date:</b> 5/12/2011 9:36:00 AM		<b>Type:</b> Other		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 48-72	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20110512093638.JPG	
Submerged: Partially      Depth (in):				Outfall partially submerged. Outfall screened upstream at 15-787 US1.			
<b>Sampling Results</b>		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		<b>Condition Assessment</b>			
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L				Graffiti: None Erosion: None Damage: None Deposition: None      0 in.			

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 Osh09_DSCN6609.JPG	
Submerged: Partially      Depth (in): 27							
<b>Sampling Results</b>		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None		<b>Condition Assessment</b>			
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L				Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.			



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

15-787

**Dimensions**

Diameter (in):

Height/Depth (in):

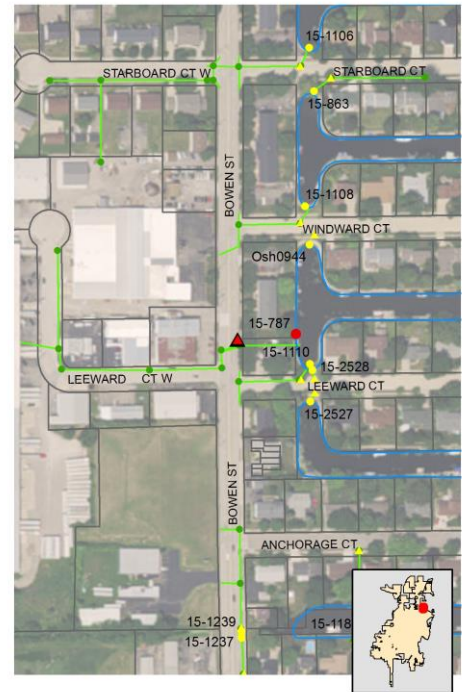
Width (in):



o20161019091358.JPG

**Outfall Notes:**

Upstream manhole located approx 142 ft W of outfall 15-787. Intermediate area consists of residential property.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 484,529

Easting: 795,645

**Latitude/Longitude:**

Latitude: 44.04869

Longitude: -88.52797

**Inspection Date:** 10/19/2016 9:14:30 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None Depth (in):

**Notes:** Flowline and sediment wet, but no flow at time of inspection.

**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161019091428.JPG

**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



<b>Inspection Date:</b> 10/5/2011 10:25:20 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Fully		Depth (in): 27																																													
<b>Sampling Results</b> <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>7.51 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>62 °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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.51 units	Gross Solids:	None	Temperature:	62 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b>   <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:	None																																												
Total Chlorine:	0 ppm	Odor:	None																																												
Free Chlorine:	0 ppm	Turbidity:	None																																												
Ammonia:	0 ppm	Color:	None																																												
pH:	7.51 units	Gross Solids:	None																																												
Temperature:	62 °F	Vegetation:	None																																												
Conductivity:	-- µS/cm	Benthic Growth:	None																																												
Detergents:	0 mg/L	Stains:	None																																												
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														
				 o20111005102530.JPG																																											

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, no flow	<b>Previous Rainfall (hrs):</b> 72+																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Partially		Depth (in): 1																																													
<b>Sampling Results</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>0 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>8.41 units</td> <td>Gross Solids:</td> <td></td> </tr> <tr> <td>Temperature:</td> <td>75 °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>		Sample Location:	Pool	Floatables:		Total Chlorine:	0 ppm	Odor:		Free Chlorine:	0 ppm	Turbidity:		Ammonia:	-- ppm	Color:		pH:	8.41 units	Gross Solids:		Temperature:	75 °F	Vegetation:		Conductivity:	-- µS/cm	Benthic Growth:		Detergents:	0 mg/L	Stains:				Non-illicit:	None	<b>Notes</b>   <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.
Sample Location:	Pool	Floatables:																																													
Total Chlorine:	0 ppm	Odor:																																													
Free Chlorine:	0 ppm	Turbidity:																																													
Ammonia:	-- ppm	Color:																																													
pH:	8.41 units	Gross Solids:																																													
Temperature:	75 °F	Vegetation:																																													
Conductivity:	-- µS/cm	Benthic Growth:																																													
Detergents:	0 mg/L	Stains:																																													
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														
				 Osh09_DSCN6612.JPG																																											

## 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): 44

Width (in): 72



Osh09\_DSCN6616.JPG

## Outfall Notes:

Storm sewer from Grove St discharges to stream from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 482,736

Easting: 796,536

## Latitude/Longitude:

Latitude: 44.04378

Longitude: -88.52458

Inspection Date: 10/19/2016 8:48:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall located in fenced backyards - screened upstream at 15-910 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: None ☐ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

**Outfall  
Not  
Located**

**Photo Not Available**

## 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

<b>Inspection Date:</b> 10/4/2011 2:59:28 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		<b>Notes</b> No access to shoreline - all properties fenced. Screened upstream at 15-910 US1.		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.	



o20111004150344.JPG

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 15-910 US1.		
<b>Sampling Results</b> 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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition:      in.	



Osh09\_DSCN6616.JPG

## Location Map

## Structure Type:

Inlet/Catchbasin

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

15-910

## Dimensions

Diameter (in):

Height/Depth (in):

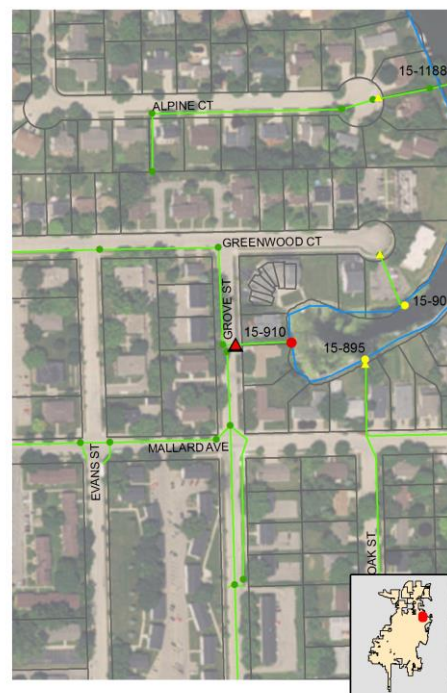
Width (in):



o20161019084622.JPG

## Outfall Notes:

Upstream curb inlet located approx 138 ft W of outfall 15-910. Intermediate area consists of residential property.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 482,735

Easting: 796,398

## Latitude/Longitude:

Latitude: 44.04377

Longitude: -88.52511

Inspection Date: 10/19/2016 8:49:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 57

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019084630.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-72

Time Collected: 08:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.57 units

Temperature (field): 61 °F

Conductivity (field): 828 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/4/2011 3:04:06 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 58		
<u>Sampling Results</u>		Notes		
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.1 units	Gross Solids:	Slight	
Temperature	64 °F	Vegetation:	None	
Conductivity:	-- µS/cm	Benthic Growth:	None	
Detergents:	0 mg/L	Stains:	None	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None 0 in.	



o20111004150354.JPG

<b>Inspection Date:</b> 5/12/2011 8:07:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
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	
		Damage:	None	
		Deposition:	None 0 in.	



o20110512080812.JPG

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 58		
<u>Sampling Results</u>		Notes		
Sample Location:	Pool	Floatables:		
Total Chlorine:	0 ppm	Odor:		
Free Chlorine:	0 ppm	Turbidity:		
Ammonia:	-- ppm	Color:		
pH:	7.73 units	Gross Solids:		
Temperature	74 °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	0 mg/L	Stains:		
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Damage:	None	
		Deposition:	None 0 in.	



Osh09\_DSCN6618.JPG

## 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): 60

Height/Depth (in):

Width (in):



o20161019102416.JPG

## Outfall Notes:

Storm sewer from Libbey Ave discharges to stream from west. Middle pipe.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,808

Easting: 794,421

## Latitude/Longitude:

Latitude: 44.04672

Longitude: -88.53263

Inspection Date: 10/19/2016 10:27:52 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Notes: Outfall partially submerged - screened upstream at 15-940 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

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

o20161019102420.JPG

## 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

<b>Inspection Date:</b> 10/6/2011 12:53:21 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 10				
<u>Sampling Results</u>		<u>Notes</u>		
Sample Location:	Floatables:	Outfall partially submerged. Outfall screened upstream at 15-940 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20111006125230.JPG

<b>Inspection Date:</b> 5/26/2011 8:19:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<u>Sampling Results</u>		<u>Notes</u>		
Sample Location:	Floatables:	Outfall partially submerged. Outfall screened upstream at 15-940 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



o20110526081940.JPG

<b>Inspection Date:</b> 9/2/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 14				
<u>Sampling Results</u>		<u>Notes</u>		
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:	Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



Osh09\_DSCN6388.JPG



## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

15-940

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019103900.JPG

## Outfall Notes:

Upstream manhole located approx 47 ft W of outfall 15-940. Intermediate area consists of road right-of-way.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,803

Easting: 794,369

## Latitude/Longitude:

Latitude: 44.04670

Longitude: -88.53283

Inspection Date: 10/19/2016 10:41:56 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019103910.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-91

Time Collected: 10:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

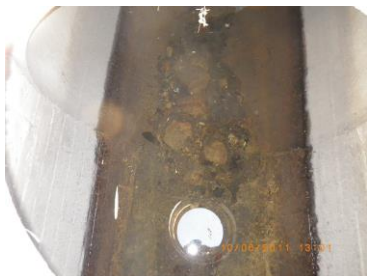
pH (field): 8.08 units


Temperature (field): 64 °F


Conductivity (field): 1571 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/6/2011 1:02:39 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																				
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																						
Submerged: Partially      Depth (in): 11		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																																						
<b>Sampling Results</b> <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>7.9 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>73 °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:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.9 units	Gross Solids:	None	Temperature:	73 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	Slight			Non-illicit:	None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		
Sample Location:	Pool	Floatables:	None																																					
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:	73 °F	Vegetation:	None																																					
Conductivity:	-- µS/cm	Benthic Growth:	None																																					
Detergents:	0 mg/L	Stains:	Slight																																					
		Non-illicit:	None																																					
 o20111006130136.JPG																																								

<b>Inspection Date:</b> 5/26/2011 8:22:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																				
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																						
Submerged: Partially      Depth (in):		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b> Limited screening conducted for upstream manhole prescreening.																																						
<b>Sampling Results</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td></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></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:		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	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		
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																																					
 o20110526082238.JPG																																								

<b>Inspection Date:</b> 9/2/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, slight flow	<b>Previous Rainfall (hrs):</b> 72+																																				
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																						
Submerged: Partially      Depth (in):		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																																						
<b>Sampling Results</b> <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>8.11 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>70 °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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	8.11 units	Gross Solids:	None	Temperature:	70 °F	Vegetation:		Conductivity:	-- µS/cm	Benthic Growth:		Detergents:	0 mg/L	Stains:				Non-illicit:	None	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		
Sample Location:	Pool	Floatables:	None																																					
Total Chlorine:	0 ppm	Odor:	None																																					
Free Chlorine:	0 ppm	Turbidity:	None																																					
Ammonia:	-- ppm	Color:	None																																					
pH:	8.11 units	Gross Solids:	None																																					
Temperature:	70 °F	Vegetation:																																						
Conductivity:	-- µS/cm	Benthic Growth:																																						
Detergents:	0 mg/L	Stains:																																						
		Non-illicit:	None																																					
 Osh09_DSCN6882.JPG																																								

## 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): 54

Height/Depth (in):

Width (in):



o20161019094516.JPG

## Outfall Notes:

Storm sewer from Nicolet Ave discharges to lagoon from north. Outfall fully submerged - pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 485,429

Easting: 795,825

## Latitude/Longitude:

Latitude: 44.05116

Longitude: -88.52729

Inspection Date: 10/19/2016 9:46:48 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 60

Notes: Outfall fully submerged - screened upstream at 15-959 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019094524.JPG

## 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

<b>Inspection Date:</b> 10/5/2011 8:45:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not physically located. Outfall screened upstream at 15-959 US1.         </div>		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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>	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None      0 in.         </div>	
 <small>o20111005084526.JPG</small>				

<b>Inspection Date:</b> 5/12/2011 10:12:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>            Outfall fully submerged and not physically located. Outfall screened upstream at 15-959 US1.         </div>		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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:            Odor:            Turbidity:            Color:            Gross Solids:            Vegetation:            Benthic Growth:            Stains:            Non-illicit: None         </div>	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None      0 in.         </div>	
 <small>o20110512101202.JPG</small>				

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b> </div>		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>            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:            Odor:            Turbidity:            Color:            Gross Solids:            Vegetation:            Benthic Growth:            Stains:            Non-illicit: None         </div>	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition:      in.         </div>	
<div style="border: 1px solid black; padding: 20px; width: 100%;"> <b>Photo Not Available</b> </div>				



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Major Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

15-959

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019094806.JPG

**Outfall Notes:**

Upstream manhole located approx 115 ft N of outfall 15-959. Intermediate area consists of residential property.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 485,543

Easting: 795,811

**Latitude/Longitude:**

Latitude: 44.05148

Longitude: -88.52734

**Inspection Date:** 10/19/2016 9:50:58 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 64

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: Moderate

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019094812.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-31

Time Collected: 09:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.69 units


Temperature (field): 63 °F


Conductivity (field): 786 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/5/2011 8:45:12 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 64																																				
<b>Sampling Results</b> <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>6.72 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:	6.72 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>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
Sample Location:	Pool																																					
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Non-illicit:	None																																					
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Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: right; font-size: small;">o20111005084830.JPG</p>																																				

<b>Inspection Date:</b> 5/12/2011 10:12:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
<b>Sampling Results</b> <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																																					
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Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: right; font-size: small;">o20110512101300.JPG</p>																																				

<b>Inspection Date:</b> 9/8/2009		<b>Type:</b> Initial	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 64																																				
<b>Sampling Results</b> <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>8.2 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	8.2 units	Temperature:	75 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td></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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Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: right; font-size: small;">Osh09_DSCN6606.JPG</p>																																				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

Mapping Precision:

Mapping GPS

☐ Not Physically Located



o20150924063620.JPG

Outfall Notes:

Storm sewer from Bowen St and Windward Ct discharges to lagoon from south.

County Coordinates:

Northing: 484,851

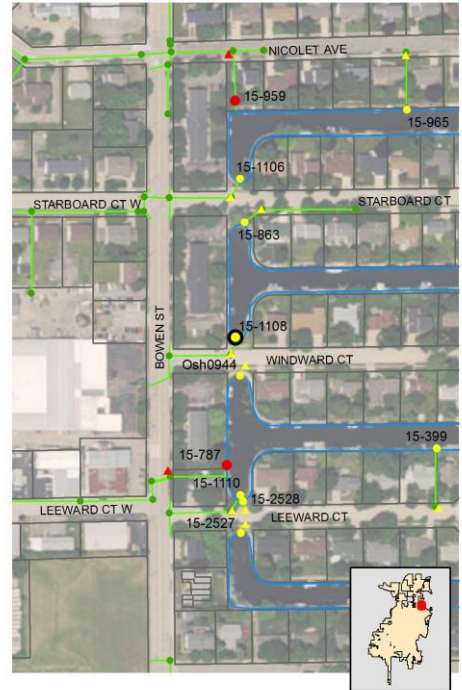
Easting: 795,815

Latitude/Longitude:

Latitude: 44.04958

Longitude: -88.52732

Location Map



Inspection Date: 10/19/2016 9:29:15 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 15-1108 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-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



o20161019092756.JPG

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

<b>Inspection Date:</b> 9/24/2015 7:35:11 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged and not located - screened at 15-1108 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: None in.		



o20150924063632.JPG

<b>Inspection Date:</b> 10/5/2011 10:07:32 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 16		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged. Outfall screened upstream at 15-1108 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: None 0 in.		



o20111005100840.JPG

<b>Inspection Date:</b> 5/12/2011 9:38:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Outfall fully submerged. Outfall screened upstream at 15-1108 US1.		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Condition Assessment		
Temperature -- °F	Vegetation:	Graffiti: None		
Conductivity: -- µS/cm	Benthic Growth:	Erosion: None		
Detergents: -- mg/L	Stains:	Damage: None		
	Non-illicit:	Deposition: None 0 in.		



o20110512093128.JPG



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

15-1108

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019092932.JPG

**Outfall Notes:**

Upstream manhole located approx 46 ft SSW of outfall 115-1108. Intermediate area consists of street right-of-way and open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 484,811

Easting: 795,804

**Latitude/Longitude:**

Latitude: 44.04947

Longitude: -88.52737

**Inspection Date:** 10/19/2016 9:33:09 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 9

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019092942.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-11

Time Collected: 09:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.78 units


Temperature (field): 63 °F


Conductivity (field): 413 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 7:35:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 7		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.88 units  Temperature: 68 °F  Conductivity: 384 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>Slight</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	Slight	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	None																					
Non-illicit:	Slight																					
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<b>Inspection Date:</b> 10/5/2011 10:10:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 8		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.25 units  Temperature: 62 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
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Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
 o20111005101010.JPG																						

<b>Inspection Date:</b> 5/12/2011 9:31:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Fully      Depth (in):		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b> Limited screening conducted for upstream manhole prescreening.																				
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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> </div>		Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:																						
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:																						
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
 o20110512093152.JPG																						

## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

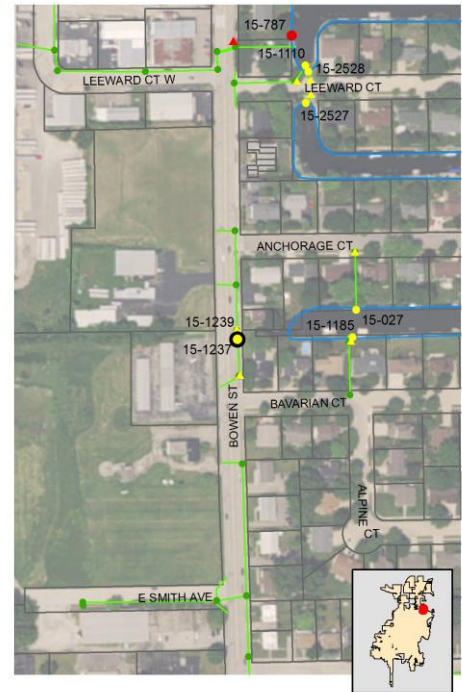


o20161019085704.JPG

## Outfall Notes:

12" RCP from Bowen St storm sewer tapped into box culvert. Not physically located. GPS coordinates approximate. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 483,799

Easting: 795,642

## Latitude/Longitude:

Latitude: 44.04669

Longitude: -88.52798

Inspection Date: 10/19/2016 8:58:53 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Tap to culvert not visible or accessible - screened upstream at 15-1237 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161019085726.JPG

## 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

<b>Inspection Date:</b> 9/24/2015 7:44:54 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall inaccessible under street - screened at 15-1237 US1.	 o20150924064728.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/6/2011 9:49:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in): 28				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 15-1237 US1.	 o20111006094330.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

<b>Inspection Date:</b> 5/12/2011 8:50:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):				
<b>Sampling Results</b> 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 15-1237 US1.	 o20110512085004.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

15-1237

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161019090032.JPG

**Outfall Notes:**

Upstream curb inlet located approx 87 ft S of outfall 15-1237. Intermediate area consists of street right-of-way.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 483,712

Easting: 795,647

**Latitude/Longitude:**

Latitude: 44.04645

Longitude: -88.52797

**Inspection Date:** 10/19/2016 9:03:01 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate**Notes:**

Submerged: Partially Depth (in): 9

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019090034.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161019-47

Time Collected: 09:03

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.56 units


Temperature (field): 62 °F


Conductivity (field): 735 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 7:46:45 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 10		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.65 units  Temperature: 68 °F  Conductivity: 432 µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
 o20150924065306.JPG																						

<b>Inspection Date:</b> 10/6/2011 9:56:05 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in): 8		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  Sample Location: Pool  Total Chlorine: 0 ppm  Free Chlorine: 0 ppm  Ammonia: 0 ppm  pH: 7.92 units  Temperature: 66 °F  Conductivity: -- µS/cm  Detergents: 0 mg/L </div>																						
<div style="border: 1px solid black; padding: 5px;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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> </div>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	Slight																					
Non-illicit:	None																					
 o20111006095506.JPG																						

<b>Inspection Date:</b> 5/12/2011 8:45:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
Submerged: Partially      Depth (in):		<div style="border: 1px solid black; padding: 5px; min-height: 100px;">Notes Limited screening conducted for upstream manhole prescreening.</div>																				
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">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> </div>		Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Floatables:																						
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:																						
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					
 o20110512084508.JPG																						

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): 48

Height/Depth (in):

Width (in):

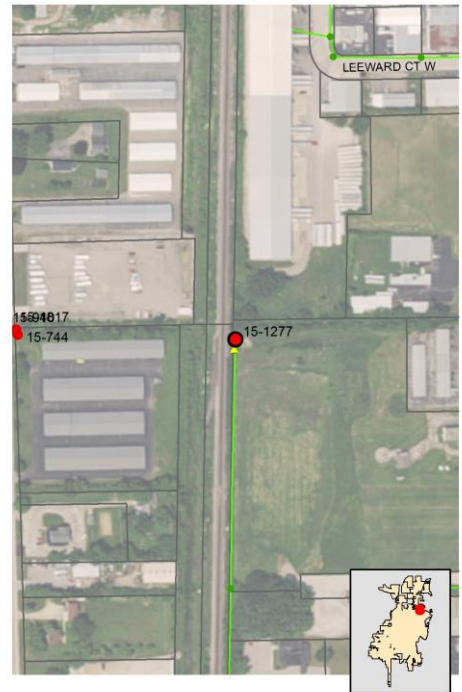


o20161019105836.JPG

Outfall Notes:

Storm sewer from Murdock Ave discharges to stream from south.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,777

Easting: 794,962

Latitude/Longitude:

Latitude: 44.04663

Longitude: -88.53057

Inspection Date: 10/19/2016 11:00:58 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Notes: Upstream manhole not located in brush - sample collected from outfall pool.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate ☐ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☐ Green ☒ Brown

Stains: Moderate ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-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



o20161019105900.JPG

Sampling Results

Sample Location: Pool

Sample ID: 161019-38

Time Collected: 11:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.72 units

Temperature (field): 63 °F

Conductivity (field): 1355 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/6/2011 1:19:29 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 12				
<b>Sampling Results</b> Sample Location: Total Chlorine:    -- ppm Free Chlorine:    -- ppm Ammonia:           -- ppm pH:                    -- 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-1277 US1.	 o20111006131854.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

<b>Inspection Date:</b> 5/26/2011 8:02:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<b>Sampling Results</b> 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-1277 US1.	 o20110526080248.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		



## 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):



o20161019102742.JPG

## Outfall Notes:

Storm sewer from Harrison St discharges to stream from west. North pipe.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,811

Easting: 794,427

## Latitude/Longitude:

Latitude: 44.04672

Longitude: -88.53261

Inspection Date: 10/19/2016 10:29:30 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 5

Notes: Outfall partially submerged - screened upstream at 15-1817 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☐ Litter

☒ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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


o20161019102752.JPG

## 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



<b>Inspection Date:</b> 10/6/2011 12:50:37 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 1				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	<b>Notes</b> Concrete apron cracked. Outfall partially submerged. Outfall screened upstream at 15-1817 US1.	 o20111006125050.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: Minor Deposition: None      0 in.		

<b>Inspection Date:</b> 5/26/2011 8:19:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in):				
<b>Sampling Results</b> 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-1817 US1.	 o20110526081916.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.		

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

15-1817

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019104440.JPG

## Outfall Notes:

Upstream manhole located approx 36 ft NW of outfall 15-1817. Intermediate area consists of street right-of-way.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 483,829

Easting: 794,395

## Latitude/Longitude:

Latitude: 44.04677

Longitude: -88.53272

Inspection Date: 10/19/2016 10:47:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Water level below outlet invert - no flow leaving pipe. Sample collected from pool.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161019104446.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161019-10

Time Collected: 10:45

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 3 ppm


pH (field): 7.47 units

Temperature (field): 63 °F

Conductivity (field): 423 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 10/6/2011 1:08:35 PM		<b>Type:</b> Ongoing	<b>Flow:</b> None	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
<b>Submerged:</b> None		<b>Depth (in):</b>																				
<u>Sampling Results</u>		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>  Sample collected from sump.  No flow leaving through outfall pipe. </div>																				
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location: Pool</td> <td style="width:50%;">Floatables: None</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor: Faint</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity: None</td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color: None</td> </tr> <tr> <td>pH: 7.46 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature 74 °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: Faint	Free Chlorine: 0 ppm	Turbidity: None	Ammonia: 0 ppm	Color: None	pH: 7.46 units	Gross Solids: None	Temperature 74 °F	Vegetation: None	Conductivity: -- µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: Slight		Non-illicit: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
Sample Location: Pool	Floatables: None																					
Total Chlorine: 0 ppm	Odor: Faint																					
Free Chlorine: 0 ppm	Turbidity: None																					
Ammonia: 0 ppm	Color: None																					
pH: 7.46 units	Gross Solids: None																					
Temperature 74 °F	Vegetation: None																					
Conductivity: -- µS/cm	Benthic Growth: None																					
Detergents: 0 mg/L	Stains: Slight																					
	Non-illicit: None																					
		 o20111006130528.JPG																				

<b>Inspection Date:</b> 5/26/2011 8:31:00 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
<b>Submerged:</b> Partially		<b>Depth (in):</b>																				
<u>Sampling Results</u>		<div style="border: 1px solid black; padding: 5px;"> <b>Notes</b>  Limited screening conducted for upstream manhole prescreening. </div>																				
<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: None</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: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
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																					
		 o20110526083130.JPG																				

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located



o20161019122440.JPG

Outfall Notes:

Storm sewer from Mt Vernon St and Custer Ave discharges to open channel east of Harrison St.

County Coordinates:

Northing: 480,046

Easting: 793,931

Latitude/Longitude:

Latitude: 44.03640

Longitude: -88.53448

Location Map



Inspection Date: 10/19/2016 12:25:36 PM Inspector: JCW Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None Depth (in):

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

Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☒ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: None ☐ 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



o20161019122450.JPG

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: 9/24/2015 8:45:17 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results		Notes		
Sample Location:	Floatables:	None		Outfall partially submerged - screened at 15-2409 US1.
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		Condition Assessment
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti: None		in.
		Erosion: None		
		Damage: None		
		Deposition: None		



o20150924075004.JPG

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 43

Width (in): 68



o20161018173012.JPG

Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 490,793

Easting: 797,297

Latitude/Longitude:

Latitude: 44.06588

Longitude: -88.52170

Inspection Date: 10/18/2016 5:32:01 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 30

Notes: Vegetation accumulating on outside of grate. Outfall partially submerged - screened upstream at 15-2477 US2.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Slight ☒ Green ☐ Brown

Stains: Slight ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-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



o20161018173020.JPG

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

<b>Inspection Date:</b> 9/24/2015 6:32:39 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in): 43				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged - screened at 15-2477 US2. First upstream manhole in parking area not located in gravel.	 o20150924053500.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor      7 in.		

<b>Inspection Date:</b> 7/16/2013 8:34:01 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 41				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 15-2477 US2.	 o20130716074040.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Moderate      9 in.		

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Major Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

15-2478

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018172342.JPG

## Outfall Notes:

Upstream manhole located approx 542 ft NNW of outfall 15-2477. Intermediate area consists of grassy field and gravel parking lot.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 491,307

Easting: 797,123

## Latitude/Longitude:

Latitude: 44.06729

Longitude: -88.52236

Inspection Date: 10/18/2016 5:26:17 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 15

## Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018172406.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-56

Time Collected: 17:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.45 units


Temperature (field): 65 °F

Conductivity (field): 654 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/24/2015 6:43:24 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
Submerged: Partially      Depth (in): 19		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																												
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  <table 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: 8.11 units</td> <td>Gross Solids: None</td> </tr> <tr> <td>Temperature: 67 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 438 µS/cm</td> <td>Benthic Growth: Slight</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains: None</td> </tr> <tr> <td></td> <td>Non-illicit: None</td> </tr> </table> </div>					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: None	Temperature: 67 °F	Vegetation: None	Conductivity: 438 µS/cm	Benthic Growth: Slight	Detergents: 0 mg/L	Stains: None		Non-illicit: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  <table 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>Damage: None</td> <td></td> </tr> <tr> <td>Deposition: None</td> <td style="text-align: right;">in.</td> </tr> </table> </div>			Graffiti: None		Erosion: None		Damage: None
Sample Location: Pool	Floatables: None																													
Total Chlorine: 0 ppm	Odor: None																													
Free Chlorine: 0 ppm	Turbidity: None																													
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	Non-illicit: None																													
Graffiti: None																														
Erosion: None																														
Damage: None																														
Deposition: None	in.																													
 o20150924054540.JPG																														

<b>Inspection Date:</b> 7/16/2013 8:46:08 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																										
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																												
Submerged: Partially      Depth (in): 18		<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <b>Notes</b>																												
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  <table 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: 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: 80 °F</td> <td>Vegetation: None</td> </tr> <tr> <td>Conductivity: 437 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> </div>					Sample Location: Pool	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: 80 °F	Vegetation: None	Conductivity: 437 µS/cm	Benthic Growth: None	Detergents: 0 mg/L	Stains: Slight		Non-illicit: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  <table 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>Damage: None</td> <td></td> </tr> <tr> <td>Deposition: None</td> <td style="text-align: right;">in.</td> </tr> </table> </div>			Graffiti: None		Erosion: None		Damage: None
Sample Location: Pool	Floatables: Slight																													
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Detergents: 0 mg/L	Stains: Slight																													
	Non-illicit: None																													
Graffiti: None																														
Erosion: None																														
Damage: None																														
Deposition: None	in.																													
 o20130716074908.JPG																														

## 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):



o20161018134850.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 474,621

Easting: 787,925

## Latitude/Longitude:

Latitude: 44.02151

Longitude: -88.55731

Inspection Date: 10/18/2016 1:49:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-28 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161018134846.JPG

## 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

<b>Inspection Date:</b> 8/18/2010 2:25:01 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100818141424.JPG</p>	
Submerged: Fully      Depth (in):				Outfall fully submerged and not physically located. Outfall screened upstream at 16-28 US1.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:	None		
Total Chlorine:	-- ppm	Odor:	None	Erosion:	None		
Free Chlorine:	-- ppm	Turbidity:	None	Damage:	None		
Ammonia:	-- ppm	Color:	None	Deposition:	None      0 in.		
pH:	-- units	Gross Solids:	None				
Temperature	-- °F	Vegetation:	None				
Conductivity:	-- µS/cm	Benthic Growth:	None				
Detergents:	-- mg/L	Stains:	None				
		Non-illicit:	None				

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-28

## Dimensions

Diameter (in):

Height/Depth (in):

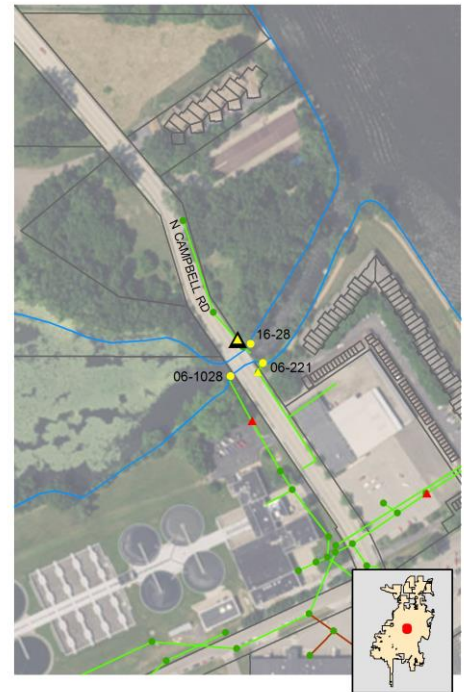
Width (in):



o20161018134936.JPG

## Outfall Notes:

Upstream manhole located approx 34 ft NW of outfall 16-28. Intermediate area consists of open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 474,633

Easting: 787,893

## Latitude/Longitude:

Latitude: 44.02154

Longitude: -88.55743

Inspection Date: 10/18/2016 1:52:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 32

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018134942.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-01

Time Collected: 13:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.43 units

Temperature (field): 68 °F

Conductivity (field): 419 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 8/18/2010 2:28:52 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>			
Submerged: Fully		Depth (in): 34					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: Faint		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None		0 in.	
pH: 6.98 units		Gross Solids: Slight					
Temperature 80 °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: None					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: None					

o20100818142006.JPG

## Non-Priority Non-Major Outfall

## Structure Type:

Closed Pipe Outfall

## Discharge Location:

Water of the State

## NR 216 Class:

Minor Outfall

## Shape:

Pipe - Circular

## Material:

RCP

## City ID:

N/A

## Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):

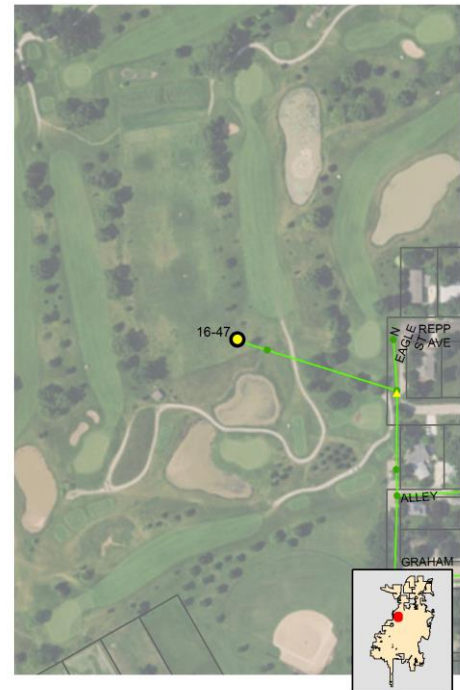


o20161010150910.JPG

## Outfall Notes:

Located in golf course pond. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 480,276

Easting: 783,659

## Latitude/Longitude:

Latitude: 44.03701

Longitude: -88.57354

Inspection Date: 10/10/2016 3:09:10 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: None

Depth (in):

Notes: Outfall not located and assumed fully submerged - screened upstream at 16-47 US2.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010150908.JPG

## 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

<b>Inspection Date:</b> 8/19/2010 9:32:20 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Outfall fully submerged and not physically located. Outfall screened upstream at 16-47 US2.</p>	
Submerged: Fully		Depth (in):		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

## Location Map

## Structure Type:

Inlet/Catchbasin

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-46

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010151138.JPG

## Outfall Notes:

Upstream catchbasin located approx 410 ft ESE of outfall 16-47. Intermediate area consists of open space in golf course. First upstream manhole not located.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 480,138

Easting: 784,046

## Latitude/Longitude:

Latitude: 44.03663

Longitude: -88.57207

Inspection Date: 10/10/2016 3:13:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Sediment in catchbasin wet, but no flow at time of inspection.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

o20161010151142.JPG

## 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): 3

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



<b>Inspection Date:</b> 8/19/2010 9:39:34 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, no flow		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b> Sample collected from pool at bottom of catchbasin.			
Submerged: Partially      Depth (in): 1							
<b>Sampling Results</b> Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.08 units Temperature: 80 °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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.			

o20100819092912.JPG

## 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):



o20161018122810.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 477,606

Easting: 786,843

**Latitude/Longitude:**

Latitude: 44.02969

Longitude: -88.56143

**Inspection Date:** 10/18/2016 12:29:31 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-71 US1.

**Illicit Discharge Potential:** Potential
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018122812.JPG

**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

<b>Inspection Date:</b> 8/25/2010 7:58:16 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																				
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																						
Submerged: Fully		Depth (in):																																						
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-71 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																																					
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																												
Graffiti:	None																																							
Erosion:	None																																							
Damage:	None																																							
Deposition:	None 0 in.																																							



o20100825075024.JPG

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-71

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018122918.JPG

Outfall Notes:

Upstream manhole located approx 85 ft W of outfall 16-71. Intermediate area consists of open space.



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 477,609

Easting: 786,755

Latitude/Longitude:

Latitude: 44.02970

Longitude: -88.56176

Inspection Date: 10/18/2016 12:32:06 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 22

Notes: Potential illicit discharge due to gross solids. Four syringes removed from manhole.

Illicit Discharge Potential: Potential

☐ Field Follow-up

☐ Office Follow-up

Floatables:

None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor:

None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation:

None

☐ Inhibited

☐ Excessive

Benthic Growth:

None

☐ Green

☐ Brown

Stains:

None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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



o20161018122930.JPG

Sampling Results

Sample Location: Pool

Sample ID: 161018-93

Time Collected: 12:31

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.5 ppm


pH (field): 7.70 units

Temperature (field): 66 °F

Conductivity (field): 632 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 8/25/2010 8:00:39 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 28																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.74 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:	7.74 units	Temperature:	70 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>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:	Slight	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:	7.74 units																																					
Temperature:	70 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	Faint in bottle																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>		 <p>08 25 2010 07 52</p> <p>o20100825075232.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None																																					
		0 in.																																				

## 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):

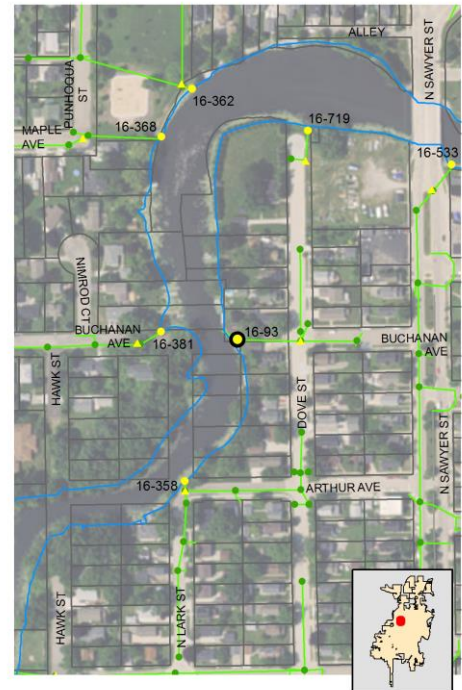
Width (in):



o20161018094858.JPG

**Outfall Notes:**

Storm sewer from Buchanan Ave discharges to stream from east. Pipe info from MS4 map.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 478,398

Easting: 784,845

**Latitude/Longitude:**

Latitude: 44.03186

Longitude: -88.56903

**Inspection Date:** 10/18/2016 9:50:49 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-93 US2.**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-upFloatables:  ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor:  ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation:  ☐ Inhibited ☐ ExcessiveBenthic Growth:  ☐ Green ☐ BrownStains:  ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

o20161018094900.JPG

**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

<b>Inspection Date:</b> 6/6/2012 9:39:18 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20120606084204.JPG</p>	
Submerged: Fully      Depth (in):				Outfall fully submerged and not physically located. Outfall screened upstream at 16-93 US2.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:	None		
Total Chlorine:	-- ppm	Odor:	None	Erosion:	None		
Free Chlorine:	-- ppm	Turbidity:	None	Damage:	None		
Ammonia:	-- ppm	Color:	None	Deposition:	None	in.	
pH:	-- units	Gross Solids:	None				
Temperature	-- °F	Vegetation:	None				
Conductivity:	-- µS/cm	Benthic Growth:	None				
Detergents:	-- mg/L	Stains:	None				
		Non-illicit:	None				

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-424

**Dimensions**

Diameter (in):

Height/Depth (in):

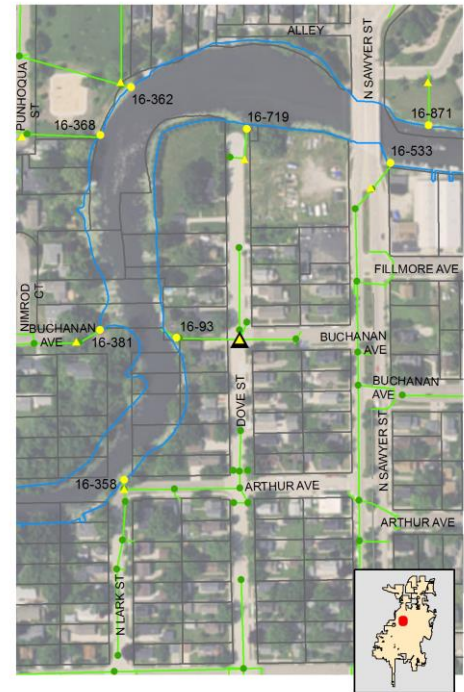
Width (in):



o20161018095102.JPG

**Outfall Notes:**

Upstream manhole located approx 155 ft E of outfall 16-93. Intermediate area consists of residential property. First upstream manhole not located.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,391

Easting: 784,999

**Latitude/Longitude:**

Latitude: 44.03184

Longitude: -88.56844

**Inspection Date:** 10/18/2016 9:54:17 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 18

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018095116.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-40

Time Collected: 09:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.00 units

Temperature (field): 62 °F

Conductivity (field): 639 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 6/6/2012 9:42:45 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 23																																					
<b>Sampling Results</b> <table border="1"> <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>8.1 units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>72 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>749 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>		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:	Moderate	Temperature:	72 °F	Vegetation:	None	Conductivity:	749 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>	
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:	Moderate																																				
Temperature:	72 °F	Vegetation:	None																																				
Conductivity:	749 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>Moderate 8 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	Moderate 8 in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	Moderate 8 in.																																						



o20120606084550.JPG

## 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):



o20141007072346.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☐ Not Physically Located**County Coordinates:**

Northing: 479,606

Easting: 785,786

**Latitude/Longitude:**

Latitude: 44.03518

Longitude: -88.56545

**Inspection Date:** 10/10/2016 1:55:43 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-119 US1.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-upFloatables:  ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor:  ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids:  ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation:  ☐ Inhibited ☐ ExcessiveBenthic Growth:  ☐ Green ☐ BrownStains:  ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit:  ☐ Natural Sheen ☐ Natural Suds/Foam

o20161010135550.JPG

**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

<b>Inspection Date:</b> 10/7/2014 8:22:14 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 22		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged - screened upstream at 16-119 US1. Estimated submerged depth.	 o20141007072412.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 8/19/2010 7:33:20 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-119 US1.	 o20100819072722.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		

## 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:

16-119

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010135648.JPG

## Outfall Notes:

Upstream curb inlet located approx 52 ft WSW of outfall 16-119. Intermediate area consists of open space between parking lot and shoreline.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,582

Easting: 785,739

## Latitude/Longitude:

Latitude: 44.03511

Longitude: -88.56563

Inspection Date: 10/10/2016 1:58:54 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Strong odor (decaying vegetation) in sample.

Submerged: Partially

Depth (in): 6

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Easily detected

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☒ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010135654.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-27

Time Collected: 13:56

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 6.81 units


Temperature (field): 70 °F

Conductivity (field): 394 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/7/2014 8:27:58 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																																				
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																						
Submerged: Partially		Depth (in): 3																																						
<table border="1"> <tr> <td colspan="2"><b>Sampling Results</b></td> <td><b>Floatables:</b></td> <td>None</td> </tr> <tr> <td><b>Sample Location:</b></td> <td>Pool</td> <td><b>Odor:</b></td> <td>Faint</td> </tr> <tr> <td><b>Total Chlorine:</b></td> <td>0 ppm</td> <td><b>Turbidity:</b></td> <td>None</td> </tr> <tr> <td><b>Free Chlorine:</b></td> <td>0 ppm</td> <td><b>Color:</b></td> <td>Clearly visible in bottl</td> </tr> <tr> <td><b>Ammonia:</b></td> <td>0 ppm</td> <td><b>Gross Solids:</b></td> <td>Moderate</td> </tr> <tr> <td><b>pH:</b></td> <td>7.32 units</td> <td><b>Vegetation:</b></td> <td>None</td> </tr> <tr> <td><b>Temperature</b></td> <td>-- °F</td> <td><b>Benthic Growth:</b></td> <td>Slight</td> </tr> <tr> <td><b>Conductivity:</b></td> <td>423 µS/cm</td> <td><b>Stains:</b></td> <td>Moderate</td> </tr> <tr> <td><b>Detergents:</b></td> <td>0 mg/L</td> <td><b>Non-illicit:</b></td> <td>None</td> </tr> </table>					<b>Sampling Results</b>		<b>Floatables:</b>	None	<b>Sample Location:</b>	Pool	<b>Odor:</b>	Faint	<b>Total Chlorine:</b>	0 ppm	<b>Turbidity:</b>	None	<b>Free Chlorine:</b>	0 ppm	<b>Color:</b>	Clearly visible in bottl	<b>Ammonia:</b>	0 ppm	<b>Gross Solids:</b>	Moderate	<b>pH:</b>	7.32 units	<b>Vegetation:</b>	None	<b>Temperature</b>	-- °F	<b>Benthic Growth:</b>	Slight	<b>Conductivity:</b>	423 µS/cm	<b>Stains:</b>	Moderate	<b>Detergents:</b>	0 mg/L	<b>Non-illicit:</b>	None
<b>Sampling Results</b>		<b>Floatables:</b>	None																																					
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<b>Conductivity:</b>	423 µS/cm	<b>Stains:</b>	Moderate																																					
<b>Detergents:</b>	0 mg/L	<b>Non-illicit:</b>	None																																					
		<b>Notes</b> Vegetative debris in inlet.																																						
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 1 in.																																						
		 o20141007072656.JPG																																						

<b>Inspection Date:</b> 8/19/2010 7:36:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																				
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																						
Submerged: Partially		Depth (in): 6																																						
<table border="1"> <tr> <td colspan="2"><b>Sampling Results</b></td> <td><b>Floatables:</b></td> <td>Slight</td> </tr> <tr> <td><b>Sample Location:</b></td> <td>Pool</td> <td><b>Odor:</b></td> <td>Faint</td> </tr> <tr> <td><b>Total Chlorine:</b></td> <td>0 ppm</td> <td><b>Turbidity:</b></td> <td>None</td> </tr> <tr> <td><b>Free Chlorine:</b></td> <td>0 ppm</td> <td><b>Color:</b></td> <td>Faint in bottle</td> </tr> <tr> <td><b>Ammonia:</b></td> <td>0 ppm</td> <td><b>Gross Solids:</b></td> <td>None</td> </tr> <tr> <td><b>pH:</b></td> <td>7.5 units</td> <td><b>Vegetation:</b></td> <td>None</td> </tr> <tr> <td><b>Temperature</b></td> <td>74 °F</td> <td><b>Benthic Growth:</b></td> <td>Slight</td> </tr> <tr> <td><b>Conductivity:</b></td> <td>-- µS/cm</td> <td><b>Stains:</b></td> <td>None</td> </tr> <tr> <td><b>Detergents:</b></td> <td>0 mg/L</td> <td><b>Non-illicit:</b></td> <td>None</td> </tr> </table>					<b>Sampling Results</b>		<b>Floatables:</b>	Slight	<b>Sample Location:</b>	Pool	<b>Odor:</b>	Faint	<b>Total Chlorine:</b>	0 ppm	<b>Turbidity:</b>	None	<b>Free Chlorine:</b>	0 ppm	<b>Color:</b>	Faint in bottle	<b>Ammonia:</b>	0 ppm	<b>Gross Solids:</b>	None	<b>pH:</b>	7.5 units	<b>Vegetation:</b>	None	<b>Temperature</b>	74 °F	<b>Benthic Growth:</b>	Slight	<b>Conductivity:</b>	-- µS/cm	<b>Stains:</b>	None	<b>Detergents:</b>	0 mg/L	<b>Non-illicit:</b>	None
<b>Sampling Results</b>		<b>Floatables:</b>	Slight																																					
<b>Sample Location:</b>	Pool	<b>Odor:</b>	Faint																																					
<b>Total Chlorine:</b>	0 ppm	<b>Turbidity:</b>	None																																					
<b>Free Chlorine:</b>	0 ppm	<b>Color:</b>	Faint in bottle																																					
<b>Ammonia:</b>	0 ppm	<b>Gross Solids:</b>	None																																					
<b>pH:</b>	7.5 units	<b>Vegetation:</b>	None																																					
<b>Temperature</b>	74 °F	<b>Benthic Growth:</b>	Slight																																					
<b>Conductivity:</b>	-- µS/cm	<b>Stains:</b>	None																																					
<b>Detergents:</b>	0 mg/L	<b>Non-illicit:</b>	None																																					
		<b>Notes</b> Oil sheen likely from parking lot runoff.																																						
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																																						
		 o20100819072808.JPG																																						

## 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):



o20161010133804.JPG

## Outfall Notes:

Curb inlets from Veterans Trail discharge to river from west. Outfall not located - pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 480,225

Easting: 785,463

## Latitude/Longitude:

Latitude: 44.03687

Longitude: -88.56669

Inspection Date: 10/10/2016 1:39:08 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-142 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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


o20161010133812.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 10:42:40 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged and not located - screened at 16-142 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20150923094512.JPG				

<b>Inspection Date:</b> 10/7/2014 8:03:04 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20141007070234.JPG				

<b>Inspection Date:</b> 6/20/2012 10:45:54 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> Outfall fully submerged; screened upstream at 16-142 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
 o20120620094610.JPG				

<b>Inspection Date:</b> 10/11/2011 12:41:17 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		
		<b>Notes</b> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
 o20111011124048.JPG				

<b>Inspection Date:</b> 8/19/2010 8:26:01 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100819081820.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



## 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):



o20161010133930.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.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 480,207

Easting: 785,433

## Latitude/Longitude:

Latitude: 44.03682

Longitude: -88.56680

Inspection Date: 10/10/2016 1:41:25 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 18

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Easily detected

☐ Petroleum☐ Musty☒ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☒ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Moderate

☒ 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

o20161010133936.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-19

Time Collected: 13:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 6.65 units

Temperature (field): 70 °F

Conductivity (field): 809 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/23/2015 10:45:16 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 21		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.06 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: 345 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150923094718.JPG

<b>Inspection Date:</b> 10/7/2014 8:03:39 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 15		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in catchbasin.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Minor 1 in.		
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			



o20141007070512.JPG

<b>Inspection Date:</b> 6/20/2012 10:46:43 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 23		
<b>Sampling Results</b>		<b>Notes</b> 2011 gross solids follow-up. Visual screening only.		
Sample Location: --	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			





o20120620094656.JPG

<b>Inspection Date:</b> 10/11/2011 12:44:57 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 16		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Floatable debris still present.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			



o20111011124148.JPG

<b>Inspection Date:</b> 5/26/2011 2:50:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Limited screening conducted to check for floatable debris.
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location:		Floatables: Moderate		
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Turbidity: Color: Gross Solids: None Vegetation: Benthic Growth: Stains: Non-illicit: Moderate		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		 o20110526145102.JPG

<b>Inspection Date:</b> 8/19/2010 8:30:49 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Floatable debris in catchbasin.
Submerged: Fully		Depth (in): 22		
<b>Sampling Results</b> Sample Location: Pool		Floatables: None		
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		Odor: None Turbidity: Slight cloudiness Color: Faint in bottle Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		 o20100819082134.JPG



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): 21

Height/Depth (in):

Width (in):



o20161018130904.JPG

Outfall Notes:

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

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 476,703

Easting: 787,312

Latitude/Longitude:

Latitude: 44.02722

Longitude: -88.55964

Inspection Date: 10/18/2016 1:10:29 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-155 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-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



o20161018130912.JPG

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units


Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L



Inspection Date: 8/25/2010 8:42:34 AM		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		
		Damage: None		
		Deposition: None 0 in.		



o20100825083542.JPG

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

N/A

## Dimensions

Diameter (in):

Height/Depth (in):

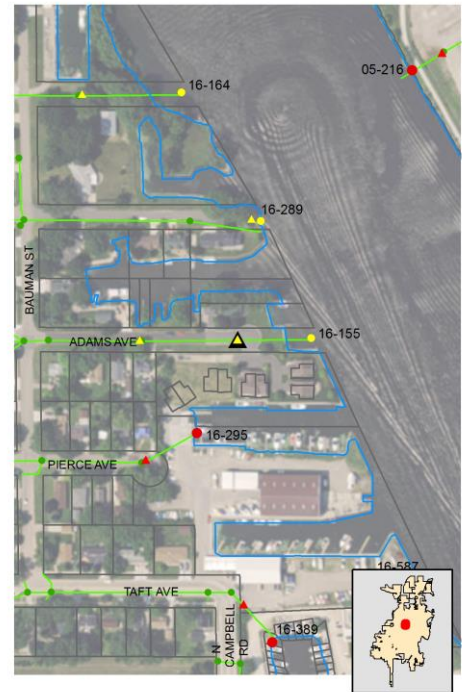
Width (in):



o20161018131204.JPG

## Outfall Notes:

Upstream manhole located approx 180 ft W of outfall 16-155. Intermediate area consists of street right-of-way and open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 476,704

Easting: 787,132

## Latitude/Longitude:

Latitude: 44.02722

Longitude: -88.56033

Inspection Date: 10/18/2016 1:14:58 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 28

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Green

Gross Solids: Slight

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: Slight

☒ 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

o20161018131216.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-85

Time Collected: 13:14

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.58 units

Temperature (field): 67 °F

Conductivity (field): 382 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): 15

Height/Depth (in):

Width (in):

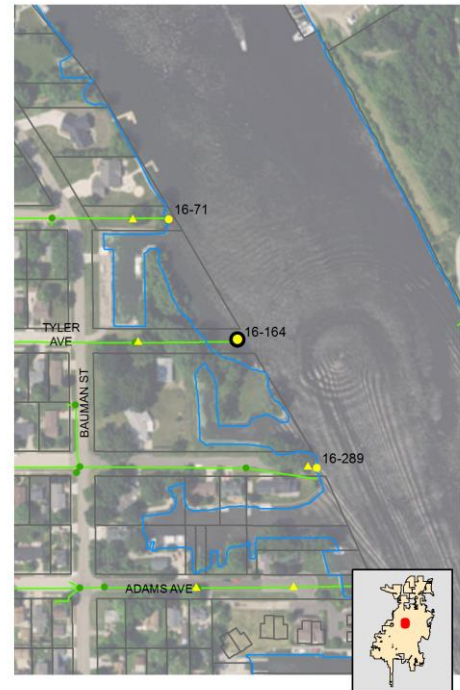


o20161018124934.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 477,309

Easting: 787,006

## Latitude/Longitude:

Latitude: 44.02888

Longitude: -88.56081

Inspection Date: 10/18/2016 12:50:50 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-164 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161018124936.JPG

## 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

<b>Inspection Date:</b> 8/25/2010 8:11:03 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
<b>Sampling Results</b> <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>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-164 US1.																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					



o20100825080326.JPG



## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-164

## Dimensions

Diameter (in):

Height/Depth (in):

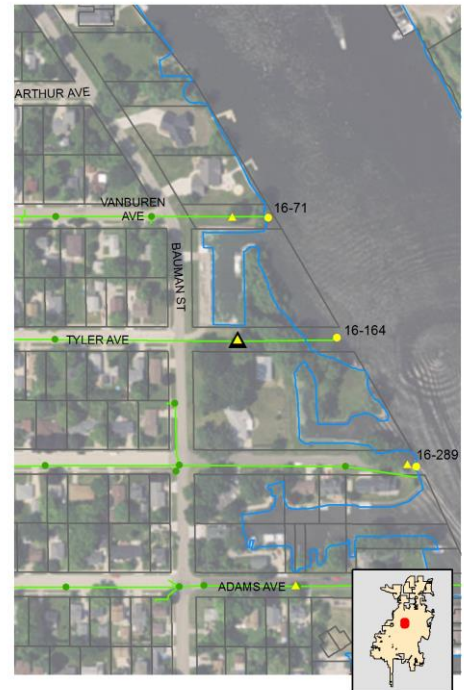
Width (in):



o20161018125136.JPG

## Outfall Notes:

Upstream manhole located approx 245 ft W of outfall 16-164. Intermediate area consists of wooded area to shoreline.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 477,310

Easting: 786,763

## Latitude/Longitude:

Latitude: 44.02888

Longitude: -88.56173

Inspection Date: 10/18/2016 12:54:03 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 22

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018125152.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-74

Time Collected: 12:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.12 units

Temperature (field): 67 °F

Conductivity (field): 364 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/25/2010 8:13:41 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 26																																					
<b>Sampling Results</b> <table border="1"> <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>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>pH:</td> <td>7.7 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature</td> <td>71 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	Faint	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	Faint in bottle	pH:	7.7 units	Gross Solids:	Slight	Temperature	71 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	Faint																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	0 ppm	Color:	Faint in bottle																																				
pH:	7.7 units	Gross Solids:	Slight																																				
Temperature	71 °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>Minor 3 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	Minor 3 in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	Minor 3 in.																																						



o20100825080536.JPG

## 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:

HDPE

## City ID:

N/A

## Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20141007071152.JPG

## Outfall Notes:

Storm sewer from Graham Ave discharges to river from west. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,844

Easting: 785,654

## Latitude/Longitude:

Latitude: 44.03583

Longitude: -88.56596

Inspection Date: 10/10/2016 1:47:19 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-201 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161010134624.JPG

## 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



<b>Inspection Date:</b> 10/7/2014 8:11:23 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 48-72	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20141007071204.JPG	
Submerged: Fully		Depth (in): 28		Outfall fully submerged - screened upstream at 16-201 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 6/20/2012 10:55:37 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 24-48	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 o20120620095704.JPG	
Submerged: Fully		Depth (in):		Outfall fully submerged; screened upstream at 16-201 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

<b>Inspection Date:</b> 10/11/2011 12:51:01 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20111011125132.JPG	
Submerged: Partially		Depth (in):		2010 screening follow-up. Outfall partially submerged. Outfall screened upstream at 16-201 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			

<b>Inspection Date:</b> 8/19/2010 7:49:43 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b>		 o20100819074346.JPG	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-201 US1.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.			



## 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:

16-201

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010134810.JPG

## Outfall Notes:

Upstream catchbasin located approx 74 ft SW of outfall 16-201. Intermediate area consists of paved parking area and shoreline.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,821

Easting: 785,583

## Latitude/Longitude:

Latitude: 44.03577

Longitude: -88.56622

Inspection Date: 10/10/2016 1:50:41 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 24

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: Slight

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

Odor: Faint

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☒ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010134816.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-65

Time Collected: 13:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.22 units


Temperature (field): 69 °F


Conductivity (field): 429 µS/cm


Detergents: 0 mg/L

<b>Inspection Date:</b> 10/7/2014 8:16:37 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 22																																				
<b>Sampling Results</b>		<div style="display: flex; justify-content: space-between;"> <div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.42 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>429 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table> </div> <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>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:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.42 units	Temperature:	-- °F	Conductivity:	429 µS/cm	Detergents:	0 mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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		 <p style="text-align: center;">o20141007071502.JPG</p>																																				

<b>Inspection Date:</b> 6/20/2012 10:56:06 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
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		 <p style="text-align: center;">o20120620095824.JPG</p>																																				

<b>Inspection Date:</b> 10/11/2011 12:54:49 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
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Deposition:	None 0 in.																																					
		 <p style="text-align: center;">o20111011125430.JPG</p>																																				

<b>Inspection Date:</b> 5/26/2011 2:48:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
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		 <p style="text-align: center;">o20110526144848.JPG</p>																																				

<b>Inspection Date:</b> 8/19/2010 7:54:51 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
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<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.57 units</td> </tr> <tr> <td>Temperature:</td> <td>74 °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:	7.57 units	Temperature:	74 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>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
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Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> Moderate floatable debris in catchbasin.		 <p>o20100819074612.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None																										
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				0 in.																																		



## 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):



o20161018130004.JPG

**Outfall Notes:**

Storm sewer from Coolidge Ave discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. 24" CMP inside larger CMP at manhole.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 476,991

Easting: 787,194

**Latitude/Longitude:**

Latitude: 44.02801

Longitude: -88.56009

**Inspection Date:** 10/18/2016 1:01:31 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-289 US1.

**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018130012.JPG

**Sampling Results**

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L



Inspection Date: 8/25/2010 8:24:56 AM		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	Outfall fully submerged and not physically located. Outfall screened upstream at 16-289 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None	Condition Assessment		o20100825081912.JPG
Conductivity: -- µS/cm	Benthic Growth: None	Graffiti: None	Erosion: None	
Detergents: -- mg/L	Stains: None	Damage: None	Deposition: None	
	Non-illicit: None		0 in.	

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-289

## Dimensions

Diameter (in):

Height/Depth (in):

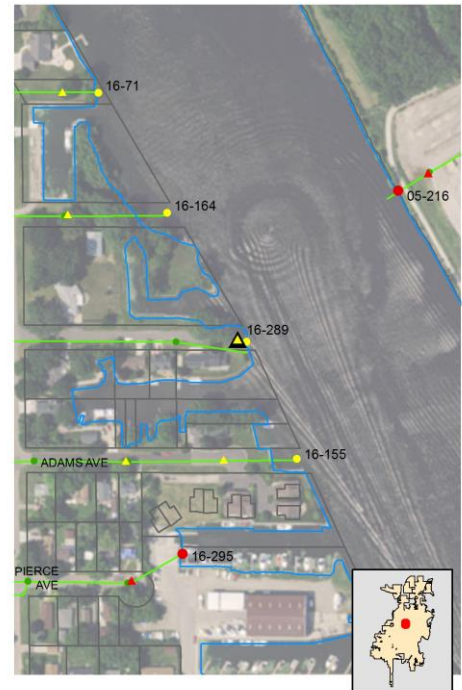
Width (in):



o20161018130206.JPG

## Outfall Notes:

Upstream manhole located approx 19 ft ENE of outfall 16-289. Intermediate area consists of open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 476,998

Easting: 787,172

## Latitude/Longitude:

Latitude: 44.02802

Longitude: -88.56018

Inspection Date: 10/18/2016 1:04:31 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Notes:

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

☐ Green

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: Moderate

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018130212.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-08

Time Collected: 13:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.15 units

Temperature (field): 67 °F

Conductivity (field): 374 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/25/2010 8:30:14 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 18																																					
<b>Sampling Results</b> <table border="1"> <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>Slight cloudiness</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>pH:</td> <td>7.75 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	Faint	Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness	Ammonia:	0 ppm	Color:	Faint in bottle	pH:	7.75 units	Gross Solids:	None	Temperature:	73 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Moderate	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	Faint																																				
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness																																				
Ammonia:	0 ppm	Color:	Faint in bottle																																				
pH:	7.75 units	Gross Solids:	None																																				
Temperature:	73 °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	Moderate																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None 0 in.																																						



o20100825081932.JPG

## 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): 29

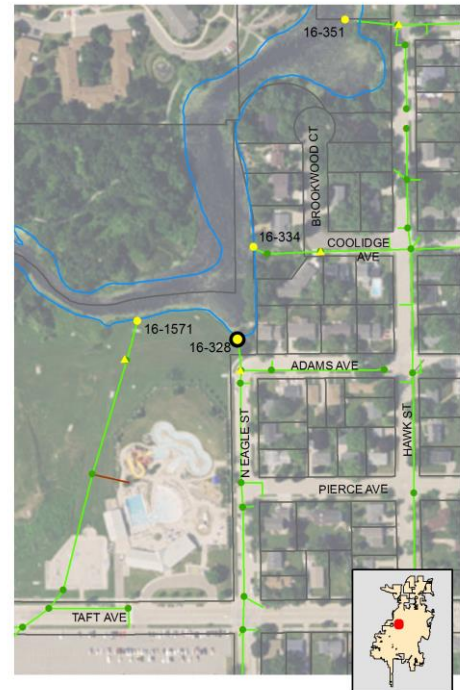
Width (in): 45



o20161018104646.JPG

**Outfall Notes:**

Storm sewer from Eagle St discharges to stream from south. Pipe specs updated in 2011.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 476,821

Easting: 783,978

**Latitude/Longitude:**

Latitude: 44.02753

Longitude: -88.57232

**Inspection Date:** 10/18/2016 10:47:28 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 18

**Notes:** Outfall partially submerged - screened upstream at 16-328 US1.**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018104654.JPG

**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



<b>Inspection Date:</b> 5/30/2012 2:06:18 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b> Outfall fully submerged. Outfall screened upstream at 16-328 US1.		 <p>o20120530130946.JPG</p>	
Submerged: Fully		Depth (in): 29					
<b>Sampling Results</b>		<b>Floatables:</b> None <b>Odor:</b> None <b>Turbidity:</b> None <b>Color:</b> None <b>Gross Solids:</b> None <b>Vegetation:</b> None <b>Benthic Growth:</b> None <b>Stains:</b> None <b>Non-illicit:</b> Moderate		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> None <b>Deposition:</b> None in.			
<b>Sample Location:</b> <b>Total Chlorine:</b> -- ppm <b>Free Chlorine:</b> -- ppm <b>Ammonia:</b> -- ppm <b>pH:</b> -- units <b>Temperature:</b> -- °F <b>Conductivity:</b> -- µS/cm <b>Detergents:</b> -- mg/L							

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-328

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018104844.JPG

**Outfall Notes:**

Upstream manhole located approx 75 ft S of outfall 16-328. Intermediate area consists of open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 476,747

Easting: 783,984

**Latitude/Longitude:**

Latitude: 44.02733

Longitude: -88.57230

**Inspection Date:** 10/18/2016 10:51:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 16

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018104858.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-51

Time Collected: 10:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 62 °F

Conductivity (field): 913 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 5/30/2012 2:14:39 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Partially		Depth (in): 20																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.69 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>748 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:	7.69 units	Temperature:	66 °F	Conductivity:	748 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>Slight</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	Slight
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	Slight																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					



o20120530131208.JPG

## 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:

RCP

## City ID:

N/A

## Dimensions

Diameter (in):

Height/Depth (in): 40

Width (in): 65



o20161018102044.JPG

## Outfall Notes:

Storm sewer from Coolidge Ave discharges to stream from east. Pipe dimensions from MS4 map

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 477,047

Easting: 784,021

## Latitude/Longitude:

Latitude: 44.02815

Longitude: -88.57216

Inspection Date: 10/18/2016 10:22:44 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 48

Notes: Outfall fully submerged - screened upstream at 16-334 US2.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Moderate ☒ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

o20161018102052.JPG

## 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



<b>Inspection Date:</b> 6/6/2012 8:40:30 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 25																																					
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>-- 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:		Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Moderate	Detergents:	-- mg/L	Stains:	Slight			Non-illicit:	None	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 16-334 US2. Pipe info from MS4 map.	
Sample Location:		Floatables:	None																																				
Total Chlorine:	-- ppm	Odor:	None																																				
Free Chlorine:	-- ppm	Turbidity:	None																																				
Ammonia:	-- ppm	Color:	None																																				
pH:	-- units	Gross Solids:	None																																				
Temperature:	-- °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	Moderate																																				
Detergents:	-- mg/L	Stains:	Slight																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						



o20120606074026.JPG

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-506

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018102354.JPG

**Outfall Notes:**

Upstream catchbasin located approx 165 ft E of outfall 16-334. Intermediate area consists of residential property. First upstream manhole not located.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 477,032

Easting: 784,185

**Latitude/Longitude:**

Latitude: 44.02811

Longitude: -88.57153

**Inspection Date:** 10/18/2016 10:26:17 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate**Notes:**

Submerged: Fully

Depth (in): 33

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018102400.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-68

Time Collected: 10:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.06 units

Temperature (field): 62 °F

Conductivity (field): 889 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 6/6/2012 8:44:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 36																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.18 units</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> </tr> <tr> <td>Conductivity:</td> <td>974 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:	8.18 units	Temperature:	73 °F	Conductivity:	974 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>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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Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None in.																																					



o20120606074802.JPG

## 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): 22

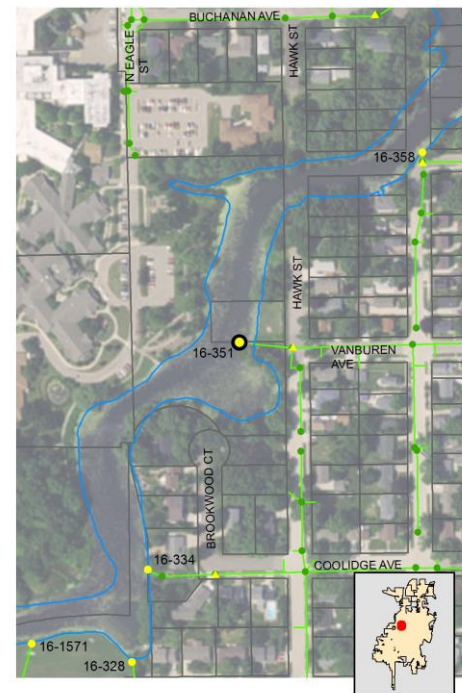
Width (in): 36



o20161018100722.JPG

**Outfall Notes:**

Storm sewer from Van Buren Ave discharges to stream from east. Pipe information from MS4 map

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 477,598

Easting: 784,255

**Latitude/Longitude:**

Latitude: 44.02966

Longitude: -88.57127

**Inspection Date:** 10/18/2016 10:07:50 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+
**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-351 US2.
**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

**Floatables:** None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

**Odor:** None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
**Turbidity:** None**Color:** None
**Gross Solids:** None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

**Vegetation:** None ☐ Inhibited ☐ Excessive

**Benthic Growth:** None ☐ Green ☐ Brown

**Stains:** None ☐ Flow Line ☐ Oil ☐ Rust Stains


☐ Paint ☐ Other

**Non-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


o20161018100726.JPG

**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



<b>Inspection Date:</b> 6/6/2012 9:09:18 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+																																									
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20120606080948.JPG</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-351 US2.																																											
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		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	<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None
Sample Location:		Floatables:	None																																												
Total Chlorine:	-- ppm	Odor:	None																																												
Free Chlorine:	-- ppm	Turbidity:	None																																												
Ammonia:	-- ppm	Color:	None																																												
pH:	-- units	Gross Solids:	None																																												
Temperature:	-- °F	Vegetation:	None																																												
Conductivity:	-- µS/cm	Benthic Growth:	None																																												
Detergents:	-- mg/L	Stains:	None																																												
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None in.																																														

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-1251

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018101040.JPG

**Outfall Notes:**

Upstream manhole located approx 132 ft E of outfall 16-351. Intermediate area consists of open space. First upstream manhole not located.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 477,585

Easting: 784,386

**Latitude/Longitude:**

Latitude: 44.02963

Longitude: -88.57077

**Inspection Date:** 10/18/2016 10:11:24 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 38

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☐ Green☒ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018101048.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-88

Time Collected: 10:12

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

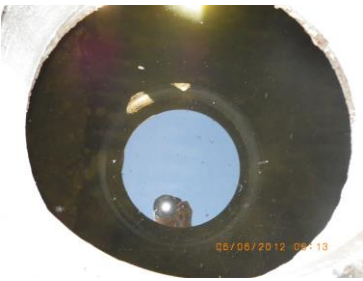
Ammonia (field): 0 ppm

pH (field): 7.96 units

Temperature (field): 62 °F

Conductivity (field): 812 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 6/6/2012 9:13:43 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 13																																					
<b>Sampling Results</b> <table border="1"> <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>8.16 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>920 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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	8.16 units	Gross Solids:	Slight	Temperature:	73 °F	Vegetation:	None	Conductivity:	920 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	0 ppm	Color:	None																																				
pH:	8.16 units	Gross Solids:	Slight																																				
Temperature:	73 °F	Vegetation:	None																																				
Conductivity:	920 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.	 <p>o20120606081400.JPG</p>																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						

## 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): 18

Width (in): 24

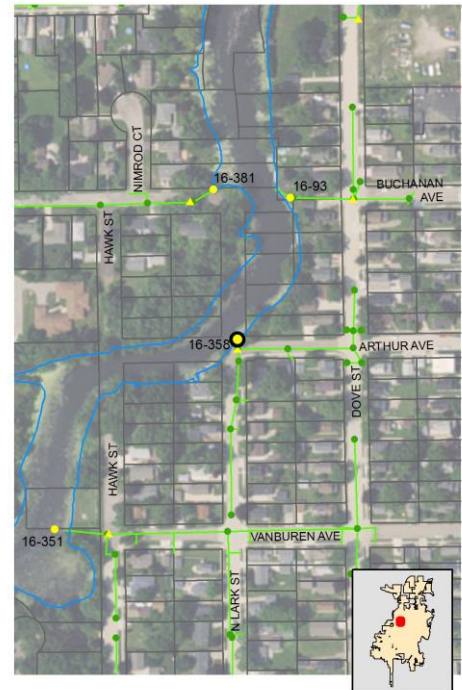


o20161018095848.JPG

## Outfall Notes:

Storm sewer from Arthur Ave discharges to stream from east. Pipe info from MS4 map

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 478,054

Easting: 784,710

## Latitude/Longitude:

Latitude: 44.03092

Longitude: -88.56954

Inspection Date: 10/18/2016 9:59:32 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-358 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161018095850.JPG

## 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



<b>Inspection Date:</b> 6/6/2012 9:22:50 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+																																									
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20120606082342.JPG</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-358 US1.																																											
<b>Sampling Results</b> <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>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	<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None
Sample Location:																																															
Total Chlorine:	-- ppm																																														
Free Chlorine:	-- ppm																																														
Ammonia:	-- ppm																																														
pH:	-- units																																														
Temperature:	-- °F																																														
Conductivity:	-- µS/cm																																														
Detergents:	-- mg/L																																														
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Turbidity:	None																																														
Color:	None																																														
Gross Solids:	None																																														
Vegetation:	None																																														
Benthic Growth:	None																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None in.																																														

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-358

## Dimensions

Diameter (in):

Height/Depth (in):

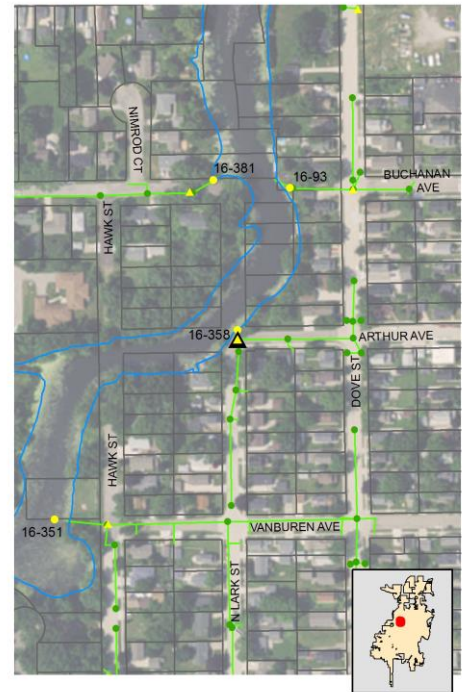
Width (in):



o20161018100050.JPG

## Outfall Notes:

Upstream manhole located approx 23 ft S of outfall 16-358. Intermediate area consists of open space.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing:

478,030

Easting:

784,710

## Latitude/Longitude:

Latitude:

44.03085

Longitude:

-88.56954

Inspection Date: 10/18/2016 10:02:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 38

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018100056.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-98

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): 62 °F

Conductivity (field): 676 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 6/6/2012 9:28:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 34																																					
<b>Sampling Results</b> <table border="1"> <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>7.72 units</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>753 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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.72 units	Gross Solids:	Slight	Temperature:	73 °F	Vegetation:	None	Conductivity:	753 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
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pH:	7.72 units	Gross Solids:	Slight																																				
Temperature:	73 °F	Vegetation:	None																																				
Conductivity:	753 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.	 <p>o20120606083232.JPG</p>																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						

## 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):



o20161010152650.JPG

## Outfall Notes:

Storm sewer from Oshkosh Ave and Punhoqua St discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. Pipe info from MS4 map. 18" CMP in upstream manhole.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 479,012

Easting: 784,744

## Latitude/Longitude:

Latitude: 44.03355

Longitude: -88.56941

Inspection Date: 10/10/2016 3:27:10 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-362 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161010152656.JPG

## 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



<b>Inspection Date:</b> 8/19/2010 10:11:40 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100819100322.JPG</p>	
Submerged: Fully      Depth (in):				Outfall fully submerged and not physically located. Outfall screened upstream at 16-362 US1.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:	None		
Total Chlorine:	-- ppm	Odor:	None	Erosion:	None		
Free Chlorine:	-- ppm	Turbidity:	None	Damage:	None		
Ammonia:	-- ppm	Color:	None	Deposition:	None      0 in.		
pH:	-- units	Gross Solids:	None				
Temperature	-- °F	Vegetation:	None				
Conductivity:	-- µS/cm	Benthic Growth:	None				
Detergents:	-- mg/L	Stains:	None				
		Non-illicit:	None				

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-362

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010152704.JPG

## Outfall Notes:

Upstream manhole located approx 28 ft NW of outfall 16-362. Intermediate area consists of open space. 18" CMP discharges to SE.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,024

Easting: 784,719

## Latitude/Longitude:

Latitude: 44.03358

Longitude: -88.56951

Inspection Date: 10/10/2016 3:29:09 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 17

Notes:

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010152712.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-79

Time Collected: 13:27

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.48 units

Temperature (field): 69 °F

Conductivity (field): 749 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/19/2010 10:15:42 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
<b>Submerged:</b> Partially		<b>Depth (in):</b> 17																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.83 units</td> </tr> <tr> <td>Temperature:</td> <td>77 °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:	7.83 units	Temperature:	77 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>Slight cloudiness</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>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:	Slight cloudiness	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:	7.83 units																																					
Temperature:	77 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	Slight cloudiness																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>Minor 1 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	Minor 1 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	Minor 1 in.																																					



o20100819100930.JPG

## 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):

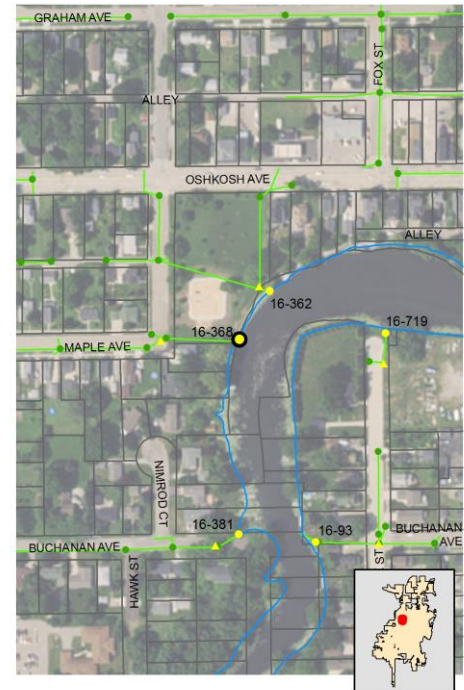
Width (in):



o20161010151914.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 478,896

Easting: 784,668

**Latitude/Longitude:**

Latitude: 44.03323

Longitude: -88.56970

**Inspection Date:** 10/10/2016 3:19:38 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-368 US2.

**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161010151920.JPG

**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



<b>Inspection Date:</b> 8/19/2010 9:56:49 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100819094846.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-368 US2.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:		None	
Total Chlorine: -- ppm		Odor:	None	Erosion:		None	
Free Chlorine: -- ppm		Turbidity:	None	Damage:		None	
Ammonia: -- ppm		Color:	None	Deposition:		None 0 in.	
pH: -- units		Gross Solids:	None				
Temperature -- °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: -- mg/L		Stains:	None				
		Non-illicit:	None				

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-1576

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161010152034.JPG

**Outfall Notes:**

Upstream manhole located approx 193 ft W of outfall 16-368. Intermediate area consists of street right-of-way, residential property and park space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,896

Easting: 784,475

**Latitude/Longitude:**

Latitude: 44.03323

Longitude: -88.57044

**Inspection Date:** 10/10/2016 3:22:51 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 33

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010152040.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161010-64

Time Collected: 15:21

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.68 units

Temperature (field): 70 °F

Conductivity (field): 691 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/19/2010 10:00:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 34																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.49 units</td> </tr> <tr> <td>Temperature:</td> <td>79 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.49 units	Temperature:	79 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>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
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.49 units																																					
Temperature:	79 °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																																					
		<b>Notes</b> First upstream manhole shown on MS4 map not located.																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					



o20100819095418.JPG

## 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): 34

Width (in): 53

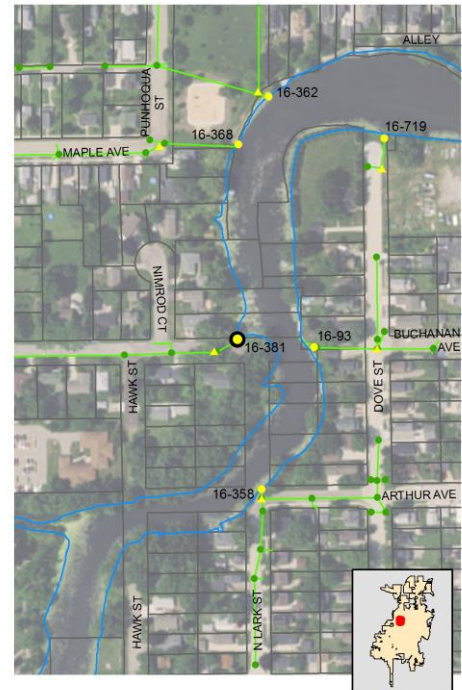


o20161018081844.JPG

## Outfall Notes:

Storm sewer from Buchanan Ave discharges to stream from west. Outfall fully submerged. Pipe info from MS4 map

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 478,420

Easting: 784,658

## Latitude/Longitude:

Latitude: 44.03192

Longitude: -88.56974

Inspection Date: 10/18/2016 8:23:11 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 46

Notes: Outfall fully submerged - screened upstream at 16-381 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☐ Green☒ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ Natural Sheen☐ Natural Suds/Foam

## Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 10

Damage: None

☐ Displacement☐ Undercut☐ Crushed☐ Corrosion☐ Cracks/Structural Damage

o20161018081900.JPG

## 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



<b>Inspection Date:</b> 9/27/2012 1:09:04 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged; screened upstream at 16-381 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20120927121242.JPG

<b>Inspection Date:</b> 6/6/2012 10:03:38 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-381 US1.  <b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.	 o20120606090438.JPG

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - brick

**City ID:**

16-381

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018082422.JPG

**Outfall Notes:**

Upstream manhole located approx 64 ft WSW of outfall 16-381. Intermediate area consists of street right-of-way and residential property.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,393

Easting: 784,600

**Latitude/Longitude:**

Latitude: 44.03185

Longitude: -88.56996

**Inspection Date:** 10/18/2016 8:27:06 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 36

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018082432.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-44

Time Collected: 08:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.06 units

Temperature (field): 62 °F

Conductivity (field): 703 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 9/27/2012 1:06:26 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																											
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																													
Submerged: Fully		Depth (in): 35																																													
<b>Sampling Results</b> <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>7.89 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1176 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	7.89 units	Gross Solids:	None	Temperature:	66 °F	Vegetation:	None	Conductivity:	1176 µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b>     <b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.
Sample Location:	Pool	Floatables:	None																																												
Total Chlorine:	0 ppm	Odor:	None																																												
Free Chlorine:	0 ppm	Turbidity:	None																																												
Ammonia:	0 ppm	Color:	None																																												
pH:	7.89 units	Gross Solids:	None																																												
Temperature:	66 °F	Vegetation:	None																																												
Conductivity:	1176 µS/cm	Benthic Growth:	None																																												
Detergents:	0 mg/L	Stains:	None																																												
		Non-illicit:	None																																												
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None in.																																														
			 o20120927120846.JPG																																												

<b>Inspection Date:</b> 6/6/2012 10:09:20 AM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in): 25																																					
<b>Sampling Results</b> <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>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>8.01 units</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1225 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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	Faint	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	8.01 units	Gross Solids:	Moderate	Temperature:	70 °F	Vegetation:	None	Conductivity:	1225 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> Manhole pre-screening. Reinspect after manhole is cleaned.	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	Faint																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	0 ppm	Color:	None																																				
pH:	8.01 units	Gross Solids:	Moderate																																				
Temperature:	70 °F	Vegetation:	None																																				
Conductivity:	1225 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <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>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																												
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						
			 o20120606090934.JPG																																				



## 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): 21

Height/Depth (in):

Width (in):



o20161018121832.JPG

## Outfall Notes:

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

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 478,215

Easting: 786,392

## Latitude/Longitude:

Latitude: 44.03136

Longitude: -88.56315

Inspection Date: 10/18/2016 12:19:12 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-386 US2.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161018121840.JPG

## 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



<b>Inspection Date:</b> 8/25/2010 7:42:58 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>Outfall fully submerged and not physically located. Outfall screened upstream at 16-386 US2.</p>	
Submerged: Fully		Depth (in):		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.			
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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					

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-1367

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018122002.JPG

**Outfall Notes:**

Upstream catchbasin located approx 172 ft W of outfall 16-386. Intermediate area consists of open space and wooded area.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,231

Easting: 786,221

**Latitude/Longitude:**

Latitude: 44.03140

Longitude: -88.56380

**Inspection Date:** 10/18/2016 12:22:21 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 22

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: Faint in bottle

Brown

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018122008.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-70

Time Collected: 12:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.83 units

Temperature (field): 65 °F

Conductivity (field): 371 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 8/25/2010 7:46:07 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 28																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.74 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:	7.74 units	Temperature:	70 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <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>None</td> </tr> <tr> <td>Non-illicit:</td> <td>Slight</td> </tr> </table>			Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	Slight
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.74 units																																					
Temperature:	70 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	Slight																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	Faint in bottle																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	Slight																																					
		<b>Notes</b> First upstream manhole on MS4 map not located.		 <p>o20100825073904.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	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:

CMP

## City ID:

N/A

## Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20141007065340.JPG

## Outfall Notes:

Storm sewer from Rainbow Dr discharges to river from west. Outfall not located - pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 480,722

Easting: 785,231

## Latitude/Longitude:

Latitude: 44.03824

Longitude: -88.56757

Inspection Date: 10/10/2016 2:44:48 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-463 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Outfall  
Not  
Located

Photo Not Available

## 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



<b>Inspection Date:</b> 10/7/2014 7:54:53 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> Outfall fully submerged and not located - screened upstream at 16-463 US1. </div>		
<div style="border: 1px solid black; padding: 2px;"> Floatables: None  Odor: None  Turbidity: None  Color: None  Gross Solids: None  Vegetation: None  Benthic Growth: None  Stains: None  Non-illicit: None </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
 o20141007065346.JPG				

<b>Inspection Date:</b> 6/20/2012 11:03:31 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 24-48
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> Outfall fully submerged; screened upstream at 16-463 US1. </div>		
<div style="border: 1px solid black; padding: 2px;"> Floatables: None  Odor: None  Turbidity: None  Color: None  Gross Solids: None  Vegetation: None  Benthic Growth: None  Stains: None  Non-illicit: None </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
 o20120620100602.JPG				

<b>Inspection Date:</b> 10/11/2011 12:32:34 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-463 US1. </div>		
<div style="border: 1px solid black; padding: 2px;"> Floatables: None  Odor: None  Turbidity: None  Color: None  Gross Solids: None  Vegetation: None  Benthic Growth: None  Stains: None  Non-illicit: None </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 o20111011123230.JPG				

<b>Inspection Date:</b> 8/19/2010 8:04:26 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 2px;"> <b>Sampling Results</b>  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: 2px;"> Outfall fully submerged and not physically located. Outfall screened upstream at 16-463 US1. </div>		
<div style="border: 1px solid black; padding: 2px;"> Floatables: None  Odor: None  Turbidity: None  Color: None  Gross Solids: None  Vegetation: None  Benthic Growth: None  Stains: None  Non-illicit: None </div>		<div style="border: 1px solid black; padding: 2px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 o20100819075828.JPG				

## Location Map

## Structure Type:

Manhole

## Discharge Location:

Downstream Outfall

## NR 216 Class:

Minor Outfall - Alternate Location

## Shape:

Manhole/Catchbasin

## Material:

Manhole - concrete

## City ID:

16-463

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161010144722.JPG

## Outfall Notes:

Upstream manhole located approx 28 ft WSW of outfall 16-463. Intermediate area consists of open space along shoreline.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 480,711

Easting: 785,208

## Latitude/Longitude:

Latitude: 44.03821

Longitude: -88.56765

Inspection Date: 10/10/2016 2:49:20 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Fully

Depth (in): 33

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☐ Litter☒ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010144730.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-35

Time Collected: 14:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.45 units


Temperature (field): 70 °F


Conductivity (field): 393 µS/cm


Detergents: 0 mg/L




<b>Inspection Date:</b> 10/7/2014 7:55:27 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 30																																				
<b>Sampling Results</b>		<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>7.52 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>423 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>Slight</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.52 units	Temperature:	-- °F	Conductivity:	423 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:	Slight
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		 <p style="text-align: center; font-size: small;">o20141007065402.JPG</p>																																				

<b>Inspection Date:</b> 6/20/2012 11:06:04 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 24-48																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 36																																				
<b>Sampling Results</b>		<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></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>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:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> <p>2011 gross solids follow-up. Visual screening only.</p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																										
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Deposition:	None in.																																					
		 <p style="text-align: center; font-size: small;">o20120620100626.JPG</p>																																				

<b>Inspection Date:</b> 10/11/2011 12:35:49 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 31																																				
<b>Sampling Results</b>		<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>8.4 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table> </div> </div>			Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.4 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> <p>2010 screening follow-up. Floatable debris still present.</p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
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Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: center; font-size: small;">o20111011123244.JPG</p>																																				

<b>Inspection Date:</b> 5/26/2011 2:54:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in):																																				
<b>Sampling Results</b>		<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></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>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>			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
Sample Location:																																						
Total Chlorine:	-- ppm																																					
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Detergents:	-- mg/L																																					
Floatables:	None																																					
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Turbidity:																																						
Color:																																						
Gross Solids:	None																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Notes</b></p> <p>Limited screening conducted to check for floatable debris.</p> </div> <div style="width: 45%;"> <p><b>Condition Assessment</b></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>Damage:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> </table> </div> </div>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																										
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Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					
		 <p style="text-align: center; font-size: small;">o20110526145424.JPG</p>																																				

<b>Inspection Date:</b> 8/19/2010 8:09:08 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Water level at manhole rim. Floatable debris in manhole.			
Submerged: Fully		Depth (in): 36					
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: Slight cloudiness		Damage: None			
Ammonia: 0 ppm		Color: None		Deposition: None		0 in.	
pH: 7.56 units		Gross Solids: Moderate					
Temperature: 73 °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: None					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: None					

o20100819080644.JPG



## 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): 36

Height/Depth (in):

Width (in):



o20161018073038.JPG

## Outfall Notes:

Storm sewer from Westfield St discharges to stream from north.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 477,214

Easting: 782,730

## Latitude/Longitude:

Latitude: 44.02861

Longitude: -88.57707

Inspection Date: 10/18/2016 7:36:00 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Notes: Outfall partially submerged - screened upstream at 16-488 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Moderate ☒ Green ☒ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

o20161018073404.JPG

## 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

<b>Inspection Date:</b> 5/30/2012 1:06:23 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 20																																					
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		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	<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 16-488 US1.	
Sample Location:		Floatables:	None																																				
Total Chlorine:	-- ppm	Odor:	None																																				
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Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						



o20120530120912.JPG

**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-488

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018074820.JPG

**Outfall Notes:**

Upstream manhole located approx 97 ft NW of outfall 16-488. Intermediate area consists of street right-of-way.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 477,288

Easting: 782,667

**Latitude/Longitude:**

Latitude: 44.02881

Longitude: -88.57730

**Inspection Date:** 10/18/2016 7:50:53 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 12

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018074832.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-97

Time Collected: 07:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.20 units

Temperature (field): 63 °F

Conductivity (field): 1022 µS/cm

Detergents: 0 mg/L

<b>Inspection Date:</b> 5/30/2012 1:24:28 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
<b>Submerged:</b> Partially		<b>Depth (in):</b> 14																																					
<b>Sampling Results</b> <table border="1"> <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>8 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>64 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>972 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>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 ppm	Color:	None	pH:	8 units	Gross Solids:	None	Temperature	64 °F	Vegetation:	None	Conductivity:	972 µS/cm	Benthic Growth:	Slight	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	<b>Notes</b> <div style="border: 1px solid black; height: 80px;"></div>	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	0 ppm	Color:	None																																				
pH:	8 units	Gross Solids:	None																																				
Temperature	64 °F	Vegetation:	None																																				
Conductivity:	972 µS/cm	Benthic Growth:	Slight																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None in.																																						



o20120530122510.JPG



## 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):

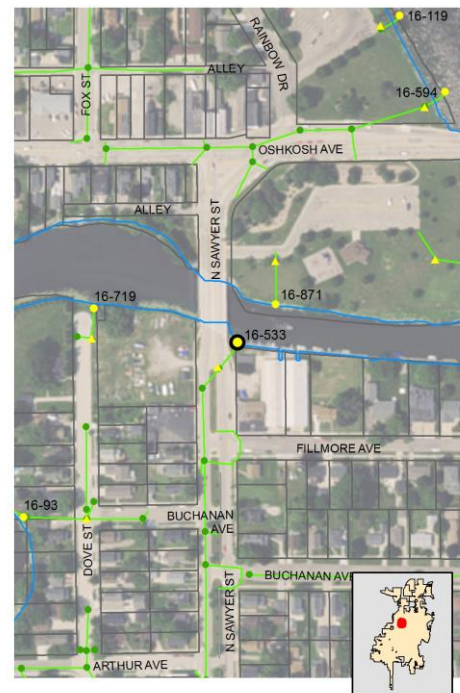


o20161018091944.JPG

## 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.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 478,815

Easting: 785,375

## Latitude/Longitude:

Latitude: 44.03301

Longitude: -88.56701

Inspection Date: 10/18/2016 9:28:25 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-533 US1.

## Illicit Discharge Potential: Potential

☐ Field Follow-up ☐ Office Follow-upFloatables: 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 ☐ 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

o20161018092038.JPG

## 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

<b>Inspection Date:</b> 9/23/2015 10:32:22 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not located - screened at 16-533 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      in.	
Sample Location:		<b>Odor:</b> None		
Total Chlorine: -- ppm		<b>Turbidity:</b> None		
Free Chlorine: -- ppm		<b>Color:</b> None		
Ammonia: -- ppm		<b>Gross Solids:</b> None		
pH: -- units		<b>Vegetation:</b> None		
Temperature -- °F		<b>Benthic Growth:</b> None		
Conductivity: -- µS/cm		<b>Stains:</b> None		
Detergents: -- mg/L		<b>Non-illicit:</b> None		




o20150923093118.JPG

<b>Inspection Date:</b> 10/7/2014 9:08:49 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not located - screened upstream at 16-533 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      in.	
Sample Location:		<b>Odor:</b> None		
Total Chlorine: -- ppm		<b>Turbidity:</b> None		
Free Chlorine: -- ppm		<b>Color:</b> None		
Ammonia: -- ppm		<b>Gross Solids:</b> None		
pH: -- units		<b>Vegetation:</b> None		
Temperature -- °F		<b>Benthic Growth:</b> None		
Conductivity: -- µS/cm		<b>Stains:</b> None		
Detergents: -- mg/L		<b>Non-illicit:</b> None		




o20141007080736.JPG

<b>Inspection Date:</b> 10/11/2011 12:16:32 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.	
Sample Location:		<b>Odor:</b> None		
Total Chlorine: -- ppm		<b>Turbidity:</b> None		
Free Chlorine: -- ppm		<b>Color:</b> None		
Ammonia: -- ppm		<b>Gross Solids:</b> None		
pH: -- units		<b>Vegetation:</b> None		
Temperature -- °F		<b>Benthic Growth:</b> None		
Conductivity: -- µS/cm		<b>Stains:</b> None		
Detergents: -- mg/L		<b>Non-illicit:</b> None		



o20111011121620.JPG

<b>Inspection Date:</b> 8/26/2010 10:11:27 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW	<b>Notes</b>	
<b>Submerged:</b> Fully <b>Depth (in):</b>			Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1.	
<b>Sampling Results</b>		<b>Floatables:</b> None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None      0 in.	
Sample Location:		<b>Odor:</b> None		
Total Chlorine: -- ppm		<b>Turbidity:</b> None		
Free Chlorine: -- ppm		<b>Color:</b> None		
Ammonia: -- ppm		<b>Gross Solids:</b> None		
pH: -- units		<b>Vegetation:</b> None		
Temperature -- °F		<b>Benthic Growth:</b> None		
Conductivity: -- µS/cm		<b>Stains:</b> None		
Detergents: -- mg/L		<b>Non-illicit:</b> None		



o20100826094912.JPG

## 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):



o20161018092508.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 Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 478,755

Easting: 785,326

## Latitude/Longitude:

Latitude: 44.03284

Longitude: -88.56720

Inspection Date: 10/18/2016 9:29:17 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 40

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018092516.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-14

Time Collected: 09:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.94 units

Temperature (field): 63 °F

Conductivity (field): 482 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/23/2015 10:32:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 36		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) - including syringe - in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.95 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: 363 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



<b>Inspection Date:</b> 10/7/2014 9:13:45 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 34		
<b>Sampling Results</b>		<b>Notes</b> Floating gross solids (litter) in manhole.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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 -- °F	Vegetation: None			
Conductivity: 474 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



<b>Inspection Date:</b> 10/11/2011 12:22:21 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 16		
<b>Sampling Results</b>		<b>Notes</b> 2010 screening follow-up. Floatable debris significantly reduced.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.9 units	Gross Solids: Moderate			
Temperature 70 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			



<b>Inspection Date:</b> 5/26/2011 2:35:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<b>Sampling Results</b>		<b>Notes</b> Limited screening conducted to check for floatable debris.		
Sample Location:	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		
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			





<b>Inspection Date:</b> 8/26/2010 10:01:38 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																				
Submerged: Fully		Depth (in): 36																				
<b>Sampling Results</b>		<b>Notes</b> Floatable debris in manhole.																				
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.23 units Temperature: 76 °F Conductivity: -- µS/cm Detergents: 0 mg/L		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>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:	None	Color:	Faint in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.																				



o20100826095640.JPG

## 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):



o20161018120922.JPG

**Outfall Notes:**

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

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 478,528

Easting: 786,181

**Latitude/Longitude:**

Latitude: 44.03222

Longitude: -88.56395

**Inspection Date:** 10/18/2016 12:09:56 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-551 US1.

**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

**Floatables:** None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

**Odor:** None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

**Turbidity:** None

**Color:** None

**Gross Solids:** None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

**Vegetation:** None ☐ Inhibited ☐ Excessive

**Benthic Growth:** None ☐ Green ☐ Brown

**Stains:** None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

**Non-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



o20161018120928.JPG

**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

<b>Inspection Date:</b> 10/7/2014 9:20:23 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not located - screened upstream at 16-551 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None in. </div>		
 o20141007082046.JPG				

<b>Inspection Date:</b> 10/11/2011 12:05:02 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-551 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 o20111011120408.JPG				

<b>Inspection Date:</b> 8/25/2010 7:28:04 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in):		Notes		
<div style="border: 1px solid black; padding: 5px;"> <b>Sampling Results</b>  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;"> Outfall fully submerged and not physically located. Outfall screened upstream at 16-551 US1. </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>		<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>  Graffiti: None  Erosion: None  Damage: None  Deposition: None 0 in. </div>		
 o20100825072000.JPG				



**Structure Type:**

Manhole

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-551

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018120954.JPG

**Outfall Notes:**

Upstream manhole located approx 54 ft W of outfall 16-551. Intermediate area consists of open space in park.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,535

Easting: 786,119

**Latitude/Longitude:**

Latitude: 44.03224

Longitude: -88.56418

Inspection Date: 10/18/2016 12:12:21 PM Inspector: JCW Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description: Submerged, indeterminate**

Submerged: Fully

Depth (in): 22

Notes:

**Illicit Discharge Potential: Unlikely**☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018121002.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-29

Time Collected: 12:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.92 units

Temperature (field): 65 °F

Conductivity (field): 367 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 10/7/2014 9:23:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 23		
<u>Sampling Results</u>		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None in.         </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.78 units	Gross Solids: Slight			
Temperature -- °F	Vegetation: None			
Conductivity: 373 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20141007082254.JPG

<b>Inspection Date:</b> 10/11/2011 12:09:03 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 22		
<u>Sampling Results</u>		Notes		
Sample Location: Pool	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
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 71 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: Moderate			
	Non-illicit: None			



o20111011120548.JPG

<b>Inspection Date:</b> 5/26/2011 2:31:00 PM		<b>Type:</b> Other	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in):		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables: None	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
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			



o20110526143146.JPG

<b>Inspection Date:</b> 8/25/2010 7:31:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Fully		Depth (in): 27		
<u>Sampling Results</u>		Notes		
Sample Location: Pool	Floatables: Moderate	<div style="border: 1px solid black; padding: 5px;"> <b>Condition Assessment</b>            Graffiti: None            Erosion: None            Damage: None            Deposition: None 0 in.         </div>		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.6 units	Gross Solids: Moderate			
Temperature 69 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20100825072020.JPG

## 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):



o20161010140348.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.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 479,419

Easting: 785,894

**Latitude/Longitude:**

Latitude: 44.03466

Longitude: -88.56504

**Inspection Date:** 10/10/2016 2:04:49 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-594 US1.

**Illicit Discharge Potential:** Potential
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161010140356.JPG

**Sampling Results**

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

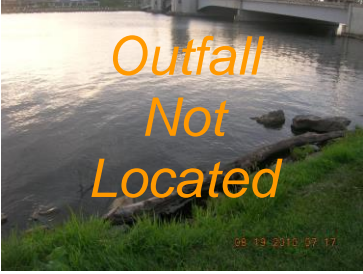
Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

<b>Inspection Date:</b> 8/19/2010 7:23:24 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+																																									
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100819071708.JPG</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-594 US1.																																											
<b>Sampling Results</b> <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>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	<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None
Sample Location:																																															
Total Chlorine:	-- ppm																																														
Free Chlorine:	-- ppm																																														
Ammonia:	-- ppm																																														
pH:	-- units																																														
Temperature:	-- °F																																														
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Detergents:	-- mg/L																																														
Floatables:	None																																														
Odor:	None																																														
Turbidity:	None																																														
Color:	None																																														
Gross Solids:	None																																														
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Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Damage:	None																																														
Deposition:	None 0 in.																																														



## 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):



o20161010140446.JPG

## Outfall Notes:

Upstream manhole located approx 60 ft WSW of outfall 16-594. Intermediate area consists of open space in park.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,381

Easting: 785,842

## Latitude/Longitude:

Latitude: 44.03456

Longitude: -88.56524

Inspection Date: 10/10/2016 2:07:20 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Potential illicit discharge due to gross solids.

Submerged: Fully

Depth (in): 51

Illicit Discharge Potential: Potential

☐ Field Follow-up☐ Office Follow-up

Floatables: Slight

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

Odor: Easily detected

☐ Petroleum☐ Musty☒ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☒ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010140454.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161010-90

Time Collected: 14:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0.25 ppm


pH (field): 7.17 units

Temperature (field): 71 °F

Conductivity (field): 831 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 8/19/2010 7:26:35 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 51																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.44 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:	0 ppm	pH:	7.44 units	Temperature:	75 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <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>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:	Slight	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.44 units																																					
Temperature:	75 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	Slight																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	Faint in bottle																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Notes</b> 2 small oil drops, likely from Oshkosh Ave runoff.		 <p>08 19 2010 07:17</p> <p>o20100819071738.JPG</p>																																		
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None																																					
		0 in.																																				

## 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):



o20161018093728.JPG

## Outfall Notes:

Storm sewer from Dove St discharges to stream from south. Outfall fully submerged. Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 478,905

Easting: 785,026

## Latitude/Longitude:

Latitude: 44.03325

Longitude: -88.56834

Inspection Date: 10/18/2016 9:40:04 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 18

Notes: Outfall fully submerged - screened upstream at 16-719 US1.

Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018093736.JPG

## 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

<b>Inspection Date:</b> 8/25/2010 7:12:04 AM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged (not located)		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100825070344.JPG</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 16-719 US1.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:	None	Graffiti:		None	
Total Chlorine: -- ppm		Odor:	None	Erosion:		None	
Free Chlorine: -- ppm		Turbidity:	None	Damage:		None	
Ammonia: -- ppm		Color:	None	Deposition:		None 0 in.	
pH: -- units		Gross Solids:	None				
Temperature -- °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: -- mg/L		Stains:	None				
		Non-illicit:	None				

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-719

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018094028.JPG

**Outfall Notes:**

Upstream curb inlet located approx 74 ft S of outfall 16-719. Intermediate area consists of street right-of-way and open space.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,831

Easting: 785,019

**Latitude/Longitude:**

Latitude: 44.03305

Longitude: -88.56837

**Inspection Date:** 10/18/2016 9:43:13 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 30

Notes:

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Easily detected

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☒ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Slight

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018094034.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-37

Time Collected: 09:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm


pH (field): 7.50 units

Temperature (field): 63 °F

Conductivity (field): 538 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 8/25/2010 7:15:59 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
Submerged: Fully		Depth (in): 17																																				
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.64 units</td> </tr> <tr> <td>Temperature:</td> <td>6 °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:	7.64 units	Temperature:	6 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1"> <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
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Temperature:	6 °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																																					
		<b>Notes</b> "Smoky" odor in bottle.																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None																																					
		0 in.		o20100825070548.JPG																																		

## 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):

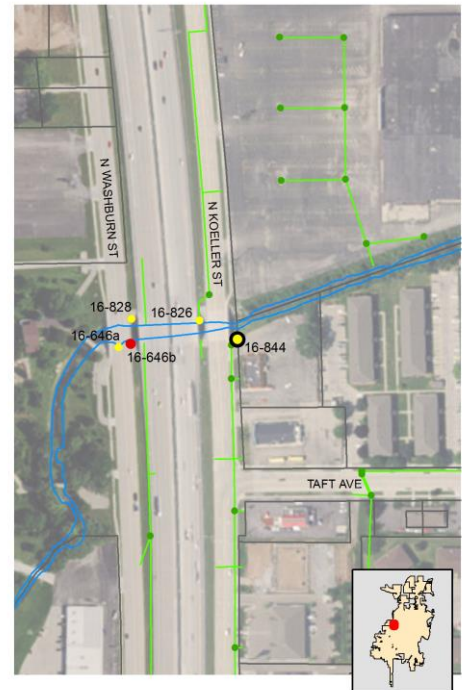


o20161018071702.JPG

## Outfall Notes:

Storm sewer from Koeller St discharges to stream from south.

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 476,529

Easting: 781,598

## Latitude/Longitude:

Latitude: 44.02672

Longitude: -88.58137

Inspection Date: 10/18/2016 7:21:24 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Trickle

Submerged: None

Depth (in):

Notes: Elevated conductivity, but no other parameters out of range.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: Faint

☐ Petroleum☐ Musty☒ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☒ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018071712.JPG

## Sampling Results

Sample Location: Flow

Sample ID: 161018-33

Time Collected: 07:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.29 units

Temperature (field): 64 °F

Conductivity (field): 3880 µS/cm

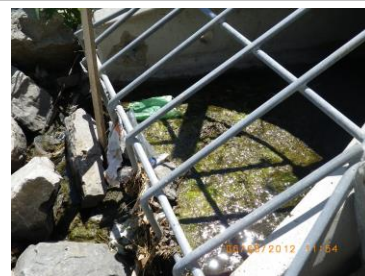
Detergents: 0 mg/L

<b>Inspection Date:</b> 9/28/2015 7:20:55 AM		<b>Type:</b> Ongoing	<b>Flow:</b> None	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
<b>Submerged:</b> None		<b>Depth (in):</b>																				
<b>Sampling Results</b>		<b>Notes</b> Flowline wet, but no flow at time of inspection.																				
<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>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	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	None																					
Non-illicit:	None																					



o20150928062340.JPG

<b>Inspection Date:</b> 6/6/2012 11:50:55 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Trickle	<b>Previous Rainfall (hrs):</b> 72+																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																				
<b>Submerged:</b> None		<b>Depth (in):</b>																				
<b>Sampling Results</b>		<b>Notes</b>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.1 units</td></tr> <tr><td>Temperature:</td><td>78 °F</td></tr> <tr><td>Conductivity:</td><td>5050 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>					Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.1 units	Temperature:	78 °F	Conductivity:	5050 µS/cm	Detergents:	0 mg/L		
Sample Location:	Flow																					
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	8.1 units																					
Temperature:	78 °F																					
Conductivity:	5050 µS/cm																					
Detergents:	0 mg/L																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Floatables:	Slight																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Slight																					
Non-illicit:	None																					



o20120606105408.JPG

## 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):



o20161018091234.JPG

**Outfall Notes:**

Storm sewer from Abe Rochlin Park discharges to stream from north. Outfall fully submerged and not physically located. GPS coordinates approximate. 12" CMP leaving upstream curb inlet.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 478,906

Easting: 785,470

**Latitude/Longitude:**

Latitude: 44.03326

Longitude: -88.56665

**Inspection Date:** 10/18/2016 9:12:59 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-871 US1.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ 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

o20161018091248.JPG

**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



<b>Inspection Date:</b> 8/19/2010 10:35:17 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																		
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																				
<b>Submerged:</b> Fully		<b>Depth (in):</b>																																				
<b>Sampling Results</b> <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>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>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:	Moderate	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-871 US1. Algae along shoreline.	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	Moderate																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>		Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.	 <p>o20100819102648.JPG</p>																										
Graffiti:	None																																					
Erosion:	None																																					
Damage:	None																																					
Deposition:	None 0 in.																																					

**Structure Type:**

Inlet/Catchbasin

**Discharge Location:**

Downstream Outfall

**NR 216 Class:**

Minor Outfall - Alternate Location

**Shape:**

Manhole/Catchbasin

**Material:**

Manhole - concrete

**City ID:**

16-871

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161018091404.JPG

**Outfall Notes:**

Upstream curb inlet located approx 100 ft N of outfall 16-871. Intermediate area consists of open space in park.

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 479,011

Easting: 785,471

**Latitude/Longitude:**

Latitude: 44.03354

Longitude: -88.56665

**Inspection Date:** 10/18/2016 9:16:09 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None Depth (in):

**Notes:** Curb inlet dry at time of inspection.**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018091410.JPG

**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

<b>Inspection Date:</b> 8/19/2010 10:38:53 AM		<b>Type:</b> Ongoing	<b>Flow:</b> None	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
<b>Submerged:</b> None		<b>Depth (in):</b>		
<b>Sampling Results</b>		<b>Notes</b> Catchbasin dry.		
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		
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None 0 in.		



o20100819102940.JPG

## 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):



o20161018090428.JPG

**Outfall Notes:**

Storm sewer from Abe Rochlin Park discharges to river from west. Outfall fully submerged and not physically located. GPS coordinates approximate. 12" CMP leaving upstream catchbasin.

**Location Map****Mapping Precision:**

Desktop mapping estimate

☒ Not Physically Located**County Coordinates:**

Northing: 478,990

Easting: 785,998

**Latitude/Longitude:**

Latitude: 44.03349

Longitude: -88.56465

**Inspection Date:** 10/18/2016 9:05:46 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged (not located)

Submerged: Fully Depth (in):

**Notes:** Outfall fully submerged and not located - screened upstream at 16-873 US1.

**Illicit Discharge Potential:** Unlikely
☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018090430.JPG

**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



<b>Inspection Date:</b> 8/19/2010 10:47:42 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged (not located)	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW																																					
Submerged: Fully		Depth (in):																																					
<b>Sampling Results</b> <table border="1"> <tr> <td>Sample Location:</td> <td></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		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	<b>Notes</b> Outfall fully submerged and not physically located. Outfall screened upstream at 16-873 US1.	
Sample Location:		Floatables:	None																																				
Total Chlorine:	-- ppm	Odor:	None																																				
Free Chlorine:	-- ppm	Turbidity:	None																																				
Ammonia:	-- ppm	Color:	None																																				
pH:	-- units	Gross Solids:	None																																				
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Conductivity:	-- µS/cm	Benthic Growth:	None																																				
Detergents:	-- mg/L	Stains:	None																																				
		Non-illicit:	None																																				
		<b>Condition Assessment</b> <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> </table>			Graffiti:	None	Erosion:	None	Damage:	None	Deposition:	None 0 in.																											
Graffiti:	None																																						
Erosion:	None																																						
Damage:	None																																						
Deposition:	None 0 in.																																						



o20100819103946.JPG

## 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:

16-873

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018090554.JPG

## Outfall Notes:

Upstream catchbasin located approx 135 ft WNW of outfall 16-873. Intermediate area consists of open space in park.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 479,009

Easting: 785,862

## Latitude/Longitude:

Latitude: 44.03354

Longitude: -88.56516

Inspection Date: 10/18/2016 9:08:11 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: None

Submerged: None Depth (in):

Notes: Water level below outlet pipe invert - no flow leaving manhole. No sample collected from sump.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-upFloatables: 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 ☐ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Slight ☒ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

o20161018090608.JPG

## 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

<b>Inspection Date:</b> 8/19/2010 10:51:20 AM		<b>Type:</b> Ongoing		<b>Flow:</b> None		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>11" of water in sump, but below invert of outfall pipe. Rust stains from 4" pipe from SW.</p>	
<b>Submerged:</b> None		<b>Depth (in):</b>		<b>Condition Assessment</b> <b>Graffiti:</b> None <b>Erosion:</b> None <b>Damage:</b> Minor <b>Deposition:</b> None 0 in.			
<b>Sampling Results</b>							
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				

o20100819104308.JPG

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): 8

Height/Depth (in):

Width (in):



o20161010145402.JPG

**Outfall Notes:**

Storm sewer from Punhoqua St discharges to river from south.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 481,271

Easting: 784,501

**Latitude/Longitude:**

Latitude: 44.03974

Longitude: -88.57035

**Inspection Date:** 10/10/2016 2:55:26 PM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, indeterminate

Submerged: Partially Depth (in): 5

**Notes:** Outfall partially submerged - screened upstream at 16-1074 US1.

**Illicit Discharge Potential:** Unlikely

☐ Field Follow-up

☐ Office Follow-up

**Floatables:** None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

**Odor:** None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

**Turbidity:** None

**Color:** None

**Gross Solids:** None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

**Vegetation:** None

☐ Inhibited

☐ Excessive

**Benthic Growth:** None

☐ Green

☐ Brown

**Stains:** None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

**Non-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



o20161010145414.JPG

**Sampling Results**

**Sample Location:**

**Sample ID:**

**Time Collected:**

**Total Chlorine (field):** -- ppm

**Free Chlorine (field):** -- ppm

**Ammonia (field):** -- ppm

**pH (field):** -- units


**Temperature (field):** -- °F

**Conductivity (field):** -- µS/cm

**Detergents:** -- mg/L



Inspection Date: 8/19/2010 9:04:14 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 8		
Sampling Results		Notes		
Sample Location:	Floatables:	None		Lake level at crown of pipe. Outfall screened upstream at 16-1074 US1.
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		Condition Assessment
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti: None		0 in.
		Erosion: None		
		Damage: None		
		Deposition: None		



o20100819090004.JPG

## 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:**

16-1073

**Dimensions**

Diameter (in):

Height/Depth (in):

Width (in):



o20161010150104.JPG

**Outfall Notes:**

Upstream catchbasin located approx 277 ft S of outfall 16-1074. Intermediate area consists of street right-of-way adjacent to golf course.

**Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 480,994

Easting: 784,505

**Latitude/Longitude:**

Latitude: 44.03898

Longitude: -88.57033

**Inspection Date:** 10/10/2016 3:03:20 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None Depth (in):

**Notes:** Catchbasin dry at time of inspection.**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161010150110.JPG

**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

<b>Inspection Date:</b> 8/19/2010 9:10:25 AM		<b>Type:</b> Ongoing		<b>Flow:</b> None		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		<b>Notes</b>		 <p>o20100819090438.JPG</p>	
<b>Submerged:</b> None		<b>Depth (in):</b>		Catchbasin dry.			
<b>Sampling Results</b>				<b>Condition Assessment</b>			
Sample Location:		Floatables:		None			
Total Chlorine: -- ppm		Odor:		None			
Free Chlorine: -- ppm		Turbidity:		None			
Ammonia: -- ppm		Color:		None			
pH: -- units		Gross Solids:		None		Graffiti: None	
Temperature -- °F		Vegetation:		None		Erosion: None	
Conductivity: -- µS/cm		Benthic Growth:		Slight		Damage: None	
Detergents: -- mg/L		Stains:		None		Deposition: None 0 in.	
		Non-illicit:		None			

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

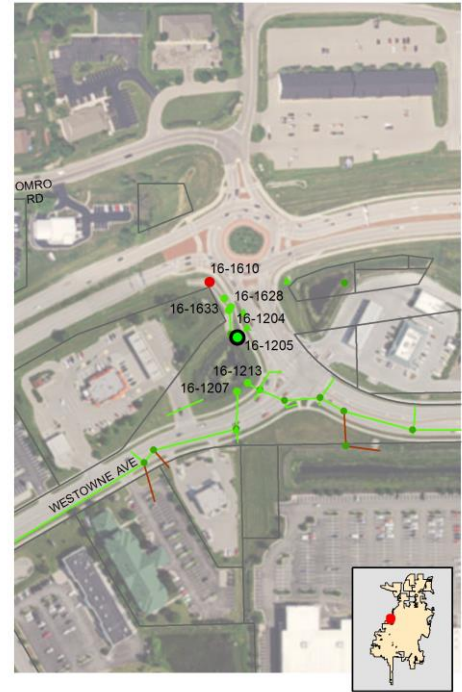


o20161018070400.JPG

Outfall Notes:

Curb inlet from Washburn St discharges to northeast corner of detention basin.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,346

Easting: 779,977

Latitude/Longitude:

Latitude: 44.03170

Longitude: -88.58753

Inspection Date: 10/18/2016 7:06:22 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes: Outfall partially submerged - screened upstream at 16-1205 US1.

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: None

☐ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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



o20161018070408.JPG

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm


pH (field): -- units

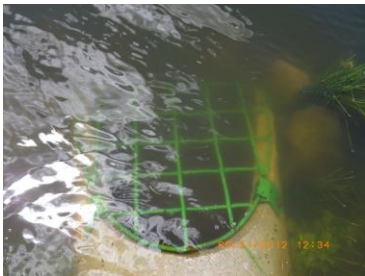
Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L



<b>Inspection Date:</b> 9/28/2015 6:36:00 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 3				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall partially submerged - screened at 16-1205 US1.	 o20150928053734.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 6/21/2012 12:32:35 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Fully      Depth (in): 21				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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	<b>Notes</b> Outfall fully submerged; screened upstream at 16-1205 US1.	 o20120621113440.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

## Location Map

**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):

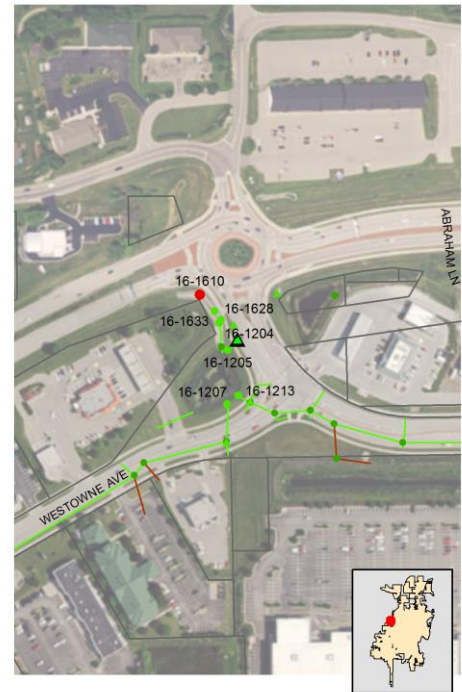
Width (in):



o20161018070652.JPG

**Outfall Notes:**

Upstream curb inlet located approx 36 ft NE of outfall 16-1205. Intermediate area consists of open space.

**Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,371

Easting: 780,002

**Latitude/Longitude:**

Latitude: 44.03177

Longitude: -88.58744

**Inspection Date:** 10/18/2016 7:08:50 AM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** None

Submerged: None Depth (in):

**Notes:** Water in sump, but no flow entering pipe. No sample collected from sump.

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: None

☐ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018070720.JPG

**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

<b>Inspection Date:</b> 9/28/2015 6:42:48 AM		<b>Type:</b> Ongoing	<b>Flow:</b> None	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
<b>Submerged:</b> None		<b>Depth (in):</b>		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location:		Water level below outlet pipe - no sample collected. 18" of water in sump, 2" of sediment.		
Total Chlorine: -- ppm	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20150928054310.JPG

<b>Inspection Date:</b> 6/21/2012 12:35:14 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 0-24
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
<b>Submerged:</b> Fully		<b>Depth (in):</b> 32		
<b>Sampling Results</b>		<b>Notes</b>		
Sample Location:		Grate could not be removed for sample.		
Total Chlorine: -- ppm	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
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			



o20120621113808.JPG

## 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



o20161018072826.JPG

## Outfall Notes:

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

## Location Map



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 477,157

Easting: 782,760

## Latitude/Longitude:

Latitude: 44.02845

Longitude: -88.57695

Inspection Date: 10/18/2016 7:30:34 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 21

Notes: Graffiti on south bridge abutment. Outfall partially submerged - screened upstream at 16-1508 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☒ Brown

Stains: Slight

☒ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-illicit: None

☐ 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

o20161018072836.JPG

## 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




<b>Inspection Date:</b> 9/28/2015 6:56:23 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 27				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	<b>Notes</b> Outfall partially submerged - screened at 16-1508 US1. Elevated ammonia.	 o20150928055850.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 10/7/2014 10:55:47 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 23				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	<b>Notes</b> Outfall partially submerged - screened upstream at 16-1508 US1.	 o20141007095432.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 9/5/2013 12:32:55 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 28				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	<b>Notes</b> Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 US1.	 o20130905113702.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		

<b>Inspection Date:</b> 9/27/2012 12:57:15 PM		<b>Type:</b> Repeat	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially      Depth (in): 15				
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free 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	<b>Notes</b> Construction around outfall. Screened upstream at 16-1508 US1.	 o20120927115922.JPG
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: Moderate 9 in.		

<b>Inspection Date:</b> 5/30/2012 1:02:54 PM		<b>Type:</b> Ongoing		<b>Flow:</b> Submerged, indeterminate		<b>Previous Rainfall (hrs):</b> 72+	
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		<b>Notes</b> Outfall partially submerged. Outfall screened upstream at 16-1508 US1.		 o20120530120256.JPG	
Submerged: Partially		Depth (in): 33					
<b>Sampling Results</b> Sample Location: Total Chlorine: -- ppm Free 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: Slight		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.			

**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):



o20161018073926.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).

**Location Map****Mapping Precision:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 477,106

Easting: 782,695

**Latitude/Longitude:**

Latitude: 44.02831

Longitude: -88.57720

**Inspection Date:** 10/18/2016 7:44:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

**Flow Description:** Submerged, indeterminate

Notes:

Submerged: Partially Depth (in): 29

**Illicit Discharge Potential:** Unlikely☐ Field Follow-up☐ Office Follow-up

Floatables: None

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

Odor: None

☐ Petroleum☐ Musty☐ Sewage☐ Chlorine☐ Other☐ VOC/Solvent☐ Fishy☐ Sulfur☐ Fragrant

Turbidity: Slight cloudiness

Color: None

Gross Solids: None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation: None

☐ Inhibited☐ Excessive

Benthic Growth: Moderate

☒ Green☐ Brown

Stains: None

☐ Flow Line☐ Oil☐ Rust Stains☐ Paint☐ Other

Non-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

o20161018073934.JPG

**Sampling Results**

Sample Location: Pool

Sample ID: 161018-20

Time Collected: 07:40

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.11 units

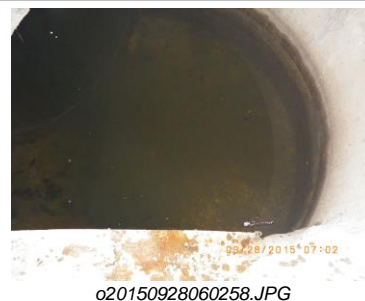
Temperature (field): 64 °F

Conductivity (field): 1020 µS/cm

Detergents: 0 mg/L



<b>Inspection Date:</b> 9/28/2015 7:00:26 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 23		
<b>Sampling Results</b>		<b>Notes</b> Elevated ammonia.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: Slight cloudiness			
Ammonia: 3 ppm	Color: None			
pH: 7.28 units	Gross Solids: Slight			
Temperature 69 °F	Vegetation: None			
Conductivity: 1032 µS/cm	Benthic Growth: Moderate			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			



<b>Inspection Date:</b> 10/7/2014 11:02:53 AM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 48-72
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 22		
<b>Sampling Results</b>		<b>Notes</b> Elevated ammonia. Park restrooms shut down for season.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 3 ppm	Color: None			
pH: 8.1 units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: 1387 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			




<b>Inspection Date:</b> 9/5/2013 12:37:35 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Unlikely		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 27		
<b>Sampling Results</b>		<b>Notes</b> 2012 ammonia detection follow-up.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0.5 ppm	Color: None			
pH: 7.82 units	Gross Solids: None			
Temperature 86 °F	Vegetation: None			
Conductivity: 754 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			




<b>Inspection Date:</b> 9/27/2012 12:51:46 PM		<b>Type:</b> Repeat	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW		
Submerged: Partially		Depth (in): 9		
<b>Sampling Results</b>		<b>Notes</b> Ammonia detection follow-up.		
Sample Location: Pool	Floatables: None	<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 3 ppm	Color: None			
pH: 7.8 units	Gross Solids: None			
Temperature 65 °F	Vegetation: None			
Conductivity: 1408 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			





<b>Inspection Date:</b> 6/6/2012 11:27:15 AM		<b>Type:</b> Repeat	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in):																																					
<b>Sampling Results</b> <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>8.21 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>72 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1088 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	0 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	<b>Notes</b> Ammonia detection follow-up. Limited screening conducted.	
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																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		 o20120606102704.JPG																																			

<b>Inspection Date:</b> 5/30/2012 1:14:06 PM		<b>Type:</b> Ongoing	<b>Flow:</b> Submerged, indeterminate	<b>Previous Rainfall (hrs):</b> 72+																																			
<b>Illicit Discharge Potential:</b> Potential		<b>Inspector:</b> JCW																																					
Submerged: Partially		Depth (in): 29																																					
<b>Sampling Results</b> <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>1 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.9 units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>64 °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>1097 µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Pool	Floatables:	None	Total Chlorine:	0 ppm	Odor:	None	Free Chlorine:	0 ppm	Turbidity:	None	Ammonia:	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	<b>Notes</b>	
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																																				
		<b>Condition Assessment</b> Graffiti: None Erosion: None Damage: None Deposition: None in.		 o20120530121440.JPG																																			

## 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): 48

Height/Depth (in):

Width (in):

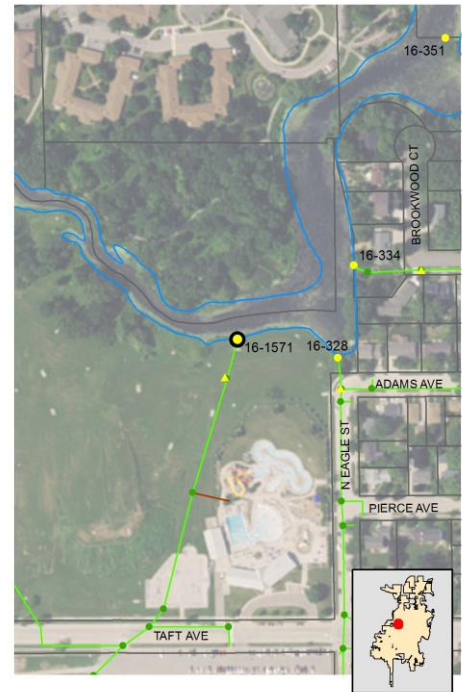


o20161018103528.JPG

## Outfall Notes:

Storm sewer from Taft Ave and water park discharges to stream from south. Replaces outfall 16-532 (2012). Pipe info from MS4 map.

## Location Map



## Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

## County Coordinates:

Northing: 476,871

Easting: 783,734

## Latitude/Longitude:

Latitude: 44.02767

Longitude: -88.57325

Inspection Date: 10/18/2016 10:36:49 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

## Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Notes: Outfall fully submerged and not located - screened upstream at 16-1571 US1.

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up ☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color: 
 Gross Solids:  ☐ Litter ☐ 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: None

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20161018103534.JPG

## 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:

16-1571

## Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161018104022.JPG

## Outfall Notes:

Upstream manhole located approx 100 ft SSW of outfall 16-16-1571. Intermediate area consists of open space in park.



## Mapping Precision:

Mapping GPS

☐ Not Physically Located

## County Coordinates:

Northing: 476,779

Easting: 783,701

## Latitude/Longitude:

Latitude: 44.02742

Longitude: -88.57337

Inspection Date: 10/18/2016 10:40:58 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

## Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 28

## Notes:

## Illicit Discharge Potential: Unlikely

☐ Field Follow-up

☐ Office Follow-up

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids:  ☐ Litter ☐ 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



o20161018104036.JPG

## Sampling Results

Sample Location: Pool

Sample ID: 161018-62

Time Collected: 10:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.92 units

Temperature (field): 62 °F

Conductivity (field): 1064 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:**

RCP

**City ID:**

N/A

**Dimensions**

Diameter (in): 54

Height/Depth (in):

Width (in):



o20161018080330.JPG

**Outfall Notes:**

Storm sewer from N Westfield St discharges to stream from north. Replaces outfall 16-514 (2012). Dimensions from MS4 map.

**Location Map**



**Mapping Precision:**

Mapping GPS

☐ Not Physically Located

**County Coordinates:**

Northing: 477,303

Easting: 783,123

**Latitude/Longitude:**

Latitude: 44.02885

Longitude: -88.57557

**Inspection Date:** 10/18/2016 8:07:34 AM

**Inspector:** JCW

**Inspection Type:** Ongoing

**Previous Rainfall (hrs):** 72+

**Flow Description:** Submerged, significant flow

**Notes:** Sample collected from submerged flow.

Submerged: Partially Depth (in): 50

**Illicit Discharge Potential:** Unlikely

☐ Field Follow-up

☐ Office Follow-up

Floatables: None

☐ Petrol. Sheen

☐ Suds

☐ Sewage

☐ Algae

☐ Other

Odor: None

☐ Petroleum

☐ Musty

☐ Sewage

☐ Chlorine

☐ Other

☐ VOC/Solvent

☐ Fishy

☐ Sulfur

☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter

☐ Debris

☐ Sediment

☐ Other

Vegetation: None

☐ Inhibited

☐ Excessive

Benthic Growth: Slight

☒ Green

☐ Brown

Stains: Slight

☒ Flow Line

☐ Oil

☐ Rust Stains

☐ Paint

☐ Other

Non-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



o20161018080338.JPG

**Sampling Results**

Sample Location: Flow

Sample ID: 161018-30

Time Collected: 08:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.99 units

Temperature (field): 63 °F

Conductivity (field): 998 µS/cm

Detergents: 0 mg/L



## **Appendix C**

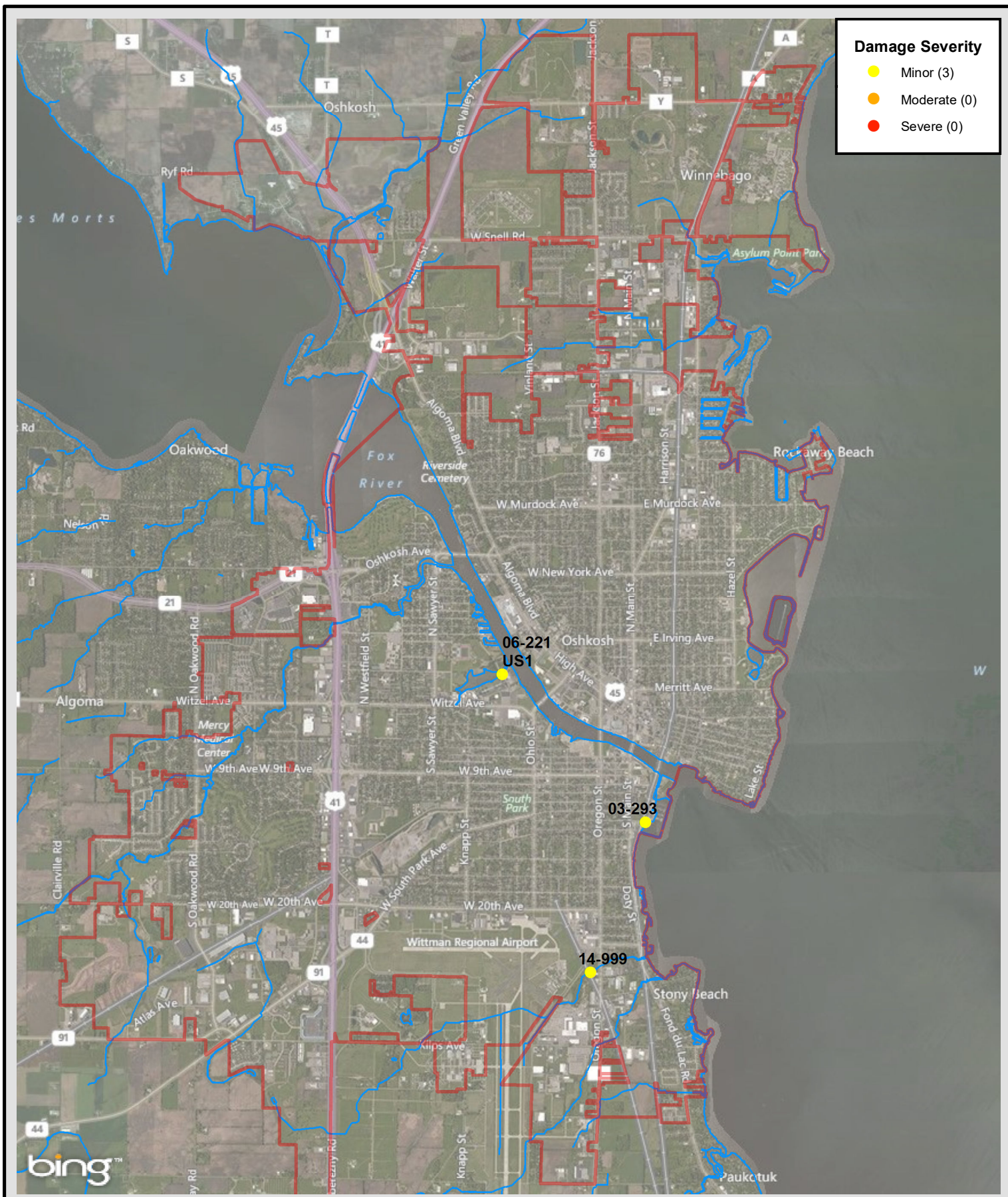
### **Outfall Condition Summary Maps**


---

- C-1 Outfalls with Potential Illicit Discharges
- C-2 Outfalls with Damage
- C-3 Outfalls with Deposition
- C-4 Outfalls with Erosion
- C-5 Outfalls with Graffiti







 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p><b>2016 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>OUTFALLS WITH DAMAGE</b></p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p>	<p>SCALE: 1" = 7,000'</p> <p>PROJECT NO. <b>N2029C16</b></p> <p>FIGURE NO. <b>C-2</b></p>
--	---	---	---	---





### Deposition Severity

- Minor (3)
- Moderate (3)
- Severe (1)



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



## 2016 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: 11/28/2016

SCALE:  
1" = 7,000'

PROJECT NO.  
**N2029C16**

FIGURE NO.  
**C-3**





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



## 2016 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH EROSION

CITY OF OSHKOSH  
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW  
Project Engineer: JCW  
Drawn By: JCW  
Checked By: BDW

Date: 11/28/2016

SCALE:  
1" = 7,000'

PROJECT NO.  
**N2029C16**

FIGURE NO.  
**C-4**





## **Appendix D**

### **Illicit Discharge Investigation Reports**

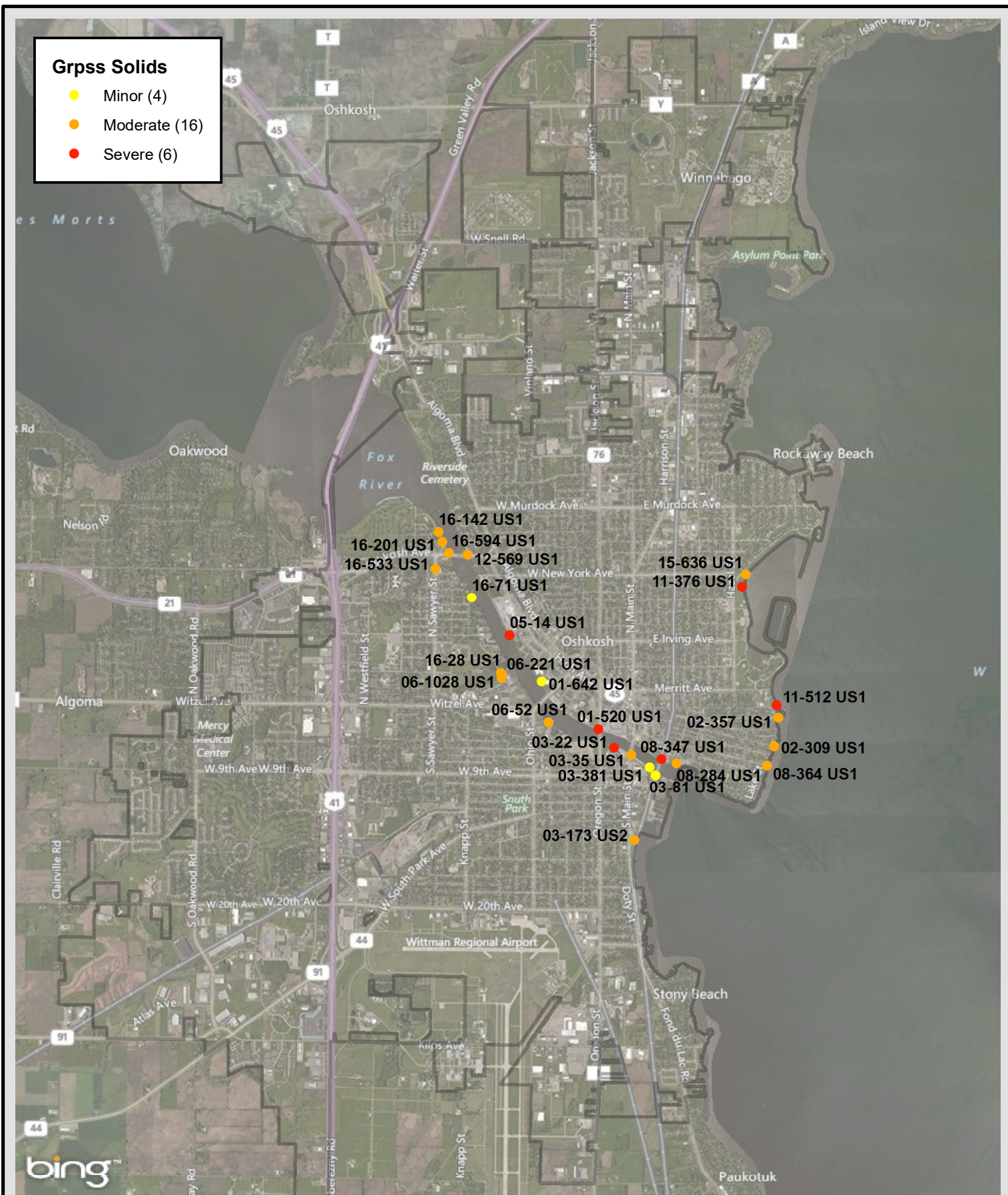
---

- D-1 Upstream Manholes with Significant Floatable Debris
- D-2 03-81 (Pioneer Drive) Investigation
- D-3 12-1328a (Nolte Avenue Detention Basin) Investigation

## APPENDIX D-1

### Upstream Manholes with Significant Floatable Debris













































































 <p>ONE SYSTEMS DRIVE PHONE (920) 735-6900 APPLETON, WI 54914 FAX (920) 830-6100</p>		<p><b>2016 IDDE ONGOING SCREENING PROGRAM</b></p> <p><b>MANHOLES WITH FLOATABLE GROSS SOLIDS</b></p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>		Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 5,047'
				Date: 11/29/2016	
				FIGURE NO. <b>D-1</b>	











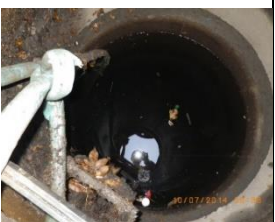
















Table 1 - History of manholes with significant gross solids

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	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)	2016 IDDE Potential
01-132 US1 (01-132)			Not screened due to traffic								
01-520 US1 (01-520)											Potential
01-642 US1 (01-642)											Potential
02-309 US1 (02-309)											Potential
02-357 US1 (02-357)											Potential
03-22 US1 (03-22)											Potential



Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	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)	2016 IDDE Potential
03-35 US1 (03-35)											Potential
03-81 US1 (03-81)											Potential
03-173 US2 (03-170)											Potential
03-381 US1 (03-381)											Potential
05-14 US1 (05-14)											Potential
05-264 US1 (05-264)											



























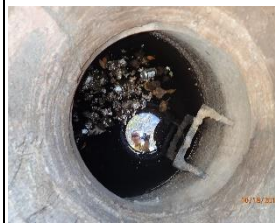


Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2016 IDDE Potential
06-52 US1 (06-52)											Potential
06-221 US1 (06-221)											Potential
06-560 US1 (06-560)		(outfall removed and replaced with outfall 06-2241)									
06-829 US1 (06-831)											
06-1028 US1 (06-1028)											Potential
06-1694 US1 (06-1694)											















































Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	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)	2016 IDDE Potential
11-512 US1 (11-512)											Potential
12-569 US1 (12-569)											Potential
12-576 US1 (12-576)											Unlikely
14-1075 US1 (14-1075)											
15-636 US1 (15-2650)											Potential
16-28 US1 (16-28)											Potential



Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	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)	2016 IDDE Potential
16-71 US1 (16-71)											Potential
16-142 US1											Potential
16-201 US1											Potential
16-396 US1 (16-396)								(Behind locked fence – manhole not screened)			
16-436 US1 (16-436)								(Behind locked fence – manhole not screened)			
16-463 US1											Unlikely



Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Manhole Prescreening (May 2011)	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)	2016 IDDE Potential
16-533 US1 (16-533)											Potential
16-551 US1 (16-551)											Unlikely
16-594 US1 (16-594)											Potential

APPENDIX D-2  
03-81 (Pioneer Drive) Investigation







## Jason Weis

---

**From:** Rabe, James E. <jrabe@ci.oshkosh.wi.us>  
**Sent:** Friday, October 10, 2014 11:07 AM  
**To:** Jason Weis; Brian Wayner  
**Subject:** FW: Outfall 03-81 petroleum

FYI

---

**From:** Burns, Todd  
**Sent:** Thursday, October 09, 2014 12:54 PM  
**To:** Rabe, James E.; Hintz, Andrew  
**Subject:** RE: Outfall 03-81 petroleum

Will be done this afternoon. Todd

---

**From:** Rabe, James E.  
**Sent:** Thursday, October 09, 2014 11:21 AM  
**To:** Burns, Todd; Hintz, Andrew  
**Subject:** FW: Outfall 03-81 petroleum

Todd / Andy,

Can you have a vac truck clean this manhole so we can check again?

Thank you,

James

---

**From:** Jason Weis [<mailto:Jason.Weis@omnni.com>]  
**Sent:** Thursday, October 09, 2014 10:19 AM  
**To:** Rabe, James E.  
**Cc:** Brian Wayner  
**Subject:** Outfall 03-81 petroleum

James:

While screening the upstream manhole for outfall 03-81 (east end of Pioneer by the RR bridge), I found a fair amount of floatable debris and a petroleum sheen. The petroleum could be residual from the 2009 incident, or it could be a new release.

It's something we'll want to keep an eye on. This outfall will definitely be included in the list of priority outfalls.

I hope to finish the screening today. I'll let you know of any other issues.

Sent from my U.S. Cellular® Smartphone

This email is subject to OMNNI Associates, Inc. Electronic File Disclaimer. For full disclaimer see [http://www.omnni.com/legal/OMNNI\\_Email\\_Disclaimer.pdf](http://www.omnni.com/legal/OMNNI_Email_Disclaimer.pdf)

## APPENDIX D-3

### 12-1328a (Nolte Avenue Detention Basin) Investigation

## Jason Weis

---

**From:** Jason Weis  
**Sent:** Friday, September 25, 2015 12:50 PM  
**To:** James Rabe (jrabe@ci.oshkosh.wi.us); Steve Gohde (sgohde@ci.oshkosh.wi.us)  
**Cc:** Brian Wayner  
**Subject:** Potential illicit discharge - Nolte Avenue detention basin  
**Attachments:** IMG4848.JPG; IMG4849.JPG; IMG4851.JPG; IMG4852.JPG; 12-1328a\_.pdf

James/Steve:

I conducted outfall inspections on Tuesday, Wednesday and Thursday this week. I am approximately 80% complete. I plan on finishing the scheduled outfalls on Monday of next week.

So far, I have identified only one potential illicit discharge, and I'll need you to confirm if it is actually a city outfall. I was investigating the area around W Fernau Ave and Walter St. The city's storm sewer mapping still shows the old storm sewer, from before the Fernau/Algoma roundabout. This storm sewer originally discharged at outfall 12-1328, which no longer exists. I decided to spend a few minutes in the field attempting to determine the layout of the new storm sewer and the location of the new outfall.

I identified an outfall in the northeast corner of the detention basin near Nolte Ave and Algoma Blvd. Based on the configuration of the manholes and curb inlets, it appeared that this might be the replacement for outfall 12-1328, so I did an initial screening.

During the screening, I noticed a white discharge coming from the outfall. The trickle discharge appeared to have a fine sediment in it, similar to chalk or silt. The white color was present in the flow, and had stained the pipe, apron, and downstream riprap. There were also pools of the white discharge in the riprap channel leading to the detention basin.

A sample was collected and tested for chemical indicator parameters:

- Ammonia was 1 ppm (at the threshold for a potential illicit discharge).
- The chlorine test strips turned bright yellow, rather than a shade of purple. This typically is a result of another dissolved chemical interfering with the test strips.
- No detergent was detected.
- Conductivity was 2470  $\mu\text{S}/\text{mS}$ , which shows a fairly high concentration of dissolved ionic material. (Anything over 2000  $\mu\text{S}/\text{mS}$  is suspect for wastewater/washwater.)
- The pH was 11.66, which is extremely high. (Typical outfall samples have a pH of 6-9.)

I located the curb inlet at the southwest corner of Nolte Avenue and Walter Street, which appeared to be the first upstream structure. I did not observe a flow in this structure, but it was difficult to see the flowline from the south.

At this time, I have a few questions for the City:

1. Can you confirm that this is the City's outfall (not County, State, etc.)?
2. Is this outfall the replacement for outfall 12-1328, which was relocated due to the roundabout construction?
3. Is there any updated storm sewer mapping available for this area?
4. After I finish the scheduled outfall screening on Monday, would you like me to spend some time attempting to track the discharge (based on flow and/or stains)?
5. Are you aware of any facilities along Walter or Fernau (west of the Fernau detention basin) that might be a source for this white alkaline material?



Jason Weis, P.E., GISP  
*Project Manager / Geospatial Manager*  
OMNNI Associates, Inc.  
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(920) 830-6100 FAX  
[jason.weis@omnni.com](mailto:jason.weis@omnni.com)

## Jason Weis

---

**From:** Jason Weis  
**Sent:** Monday, September 28, 2015 3:15 PM  
**To:** Gohde, Steven M.; Rabe, James E.  
**Cc:** Brian Wayner; Lyons, Kris  
**Subject:** RE: Potential illicit discharge - Nolte Avenue detention basin  
**Attachments:** Tracking\_150928\_.pdf; IMG5142.JPG; IMG5143.JPG; IMG5145.JPG; IMG5146.JPG; IMG5126.JPG; IMG5119.JPG; IMG5124.JPG

I have attached a map that summarizes the tracking activities from today. The staining and elevated pH discharge was observed at the outfall, and a surface water sample from the detention basin also had an elevated pH (9.73). The white stain was present at the upstream inlet on Walter Road, and clearly came from the south. The white stain in the manhole near Walter Road and Walter Court reinforced that the discharge was coming from the direction of Fernau Ave.

The new storm sewer branches to the northeast and southwest at Fernau Ave. Due to traffic issues, the manhole at the intersection of Walter and Fernau could not be inspected to determine which branch was contributing the stain. Several of the inlets and manholes from the "original" Fernau Avenue storm sewer (northeast branch) were inspected, and there were no signs of white stains. The first "new" manhole northeast of the intersection was inspected, and there were also no signs of white stains, suggesting that the discharge was coming from the southwest branch.

The first manhole southwest of the intersection (#562) was wet and had some of the white substance in it. The stain appeared to come from the inlet to the east. The inlet on the west side of Fernau (582B) was dry and clean. The inlet on the east side of Fernau (582A) was wet and had the white substance. Upon further inspection of the inlet, a 6" pipe was identified protruding through the back side (east/south) of the structure, with white staining and a trickle flow. This pipe appeared to originate from the property to the east (Carew). A sample was collected from this trickle flow, and the pH was 12.23. The elevated pH, along with the white staining from the pipe, indicate that this is the likely source of the discharge.

As a confirmation, the next set of inlets upstream (south) of this manhole were inspected (immediately north of Stillman Road). The inlet on the east side of the road had water in the sump. A sample was collected from this pool, and the pH was 7.4, which is in the typical range for stormwater. This seems to indicate that the discharge is limited to the area around manhole 562, and specifically from the 6" pipe in inlet 562A.

I have attached a few additional photos to this email, along with a map showing the general layout and investigation findings. It is recommended that the City investigate the origin of this 6" pipe, along with any potential sources of the illicit discharge on the Carew property. If the City needs assistance with this tracking, OMNNI would be happy to help.

Please keep OMNNI updated on any investigation activities for this discharge, along with any findings or resolutions, so we can include them in the Summary Report that we will prepare later this year.

If you have any questions, please let me know.

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[jason.weis@omnni.com](mailto:jason.weis@omnni.com)

---

**From:** Jason Weis  
**Sent:** Monday, September 28, 2015 12:42 PM  
**To:** Gohde, Steven M.; Rabe, James E.  
**Cc:** Brian Wayner; Lyons, Kris  
**Subject:** RE: Potential illicit discharge - Nolte Avenue detention basin

The probable source of the white alkaline discharge has been located. There is a 6" pipe stubbed into the back of curb inlet 582A (from the plan sheet you sent me). The inlet is on the east side of Fernau, just south of Walter. The pipe appears to come from the Carew property.

A sample collected from this pipe had a pH of 12.23. There was also white staining coming from this pipe. Therefore, this should be the location where the discharge is entering the MS4. The City will likely need to determine the source of this pipe on the Carew property. OMNNI can assist if needed.

Note that the pH of the water in the downstream detention basin was 9.73, which is very high for surface water.

I have attached a few photos. I will send more detailed information once I get back to the office this afternoon. Feel free to call if you have any questions.

Jason

Sent from my U.S. Cellular® Smartphone

----- Original message -----

From: "Gohde, Steven M." <[sgohde@ci.oshkosh.wi.us](mailto:sgohde@ci.oshkosh.wi.us)>  
Date: 09/25/2015 4:05 PM (GMT-06:00)  
To: Jason Weis <[Jason.Weis@omnni.com](mailto:Jason.Weis@omnni.com)>, "Rabe, James E." <[jrabe@ci.oshkosh.wi.us](mailto:jrabe@ci.oshkosh.wi.us)>  
Cc: Brian Wayner <[Brian.Wayner@omnni.com](mailto:Brian.Wayner@omnni.com)>, "Lyons, Kris" <[KLyons@ci.oshkosh.wi.us](mailto:KLyons@ci.oshkosh.wi.us)>  
Subject: RE: Potential illicit discharge - Nolte Avenue detention basin

Jason,

Attached is a sheet from the DOT project that reconstructed the storm sewer in this area. The plans did not show the section of the storm sewer being reconnected to the east. I am unsure how it was reconnected but suspect it was one of the two red dashed lines I drew on the attached. The plans also do not show storm sewer for Walter Ct, but inlet exist.

My best suspect for a source is Carew Concrete located on the south/east side of Fernau Ave at the Walter Rd intersection.

Please investigate this discharge. If you need any City staff assistance please let us know.

Thanks,  
Steve

---

**From:** Jason Weis [<mailto:Jason.Weis@omnni.com>]  
**Sent:** Friday, September 25, 2015 12:50 PM  
**To:** Rabe, James E.; Gohde, Steven M.  
**Cc:** Brian Wayner  
**Subject:** Potential illicit discharge - Nolte Avenue detention basin



James/Steve:

I conducted outfall inspections on Tuesday, Wednesday and Thursday this week. I am approximately 80% complete. I plan on finishing the scheduled outfalls on Monday of next week.

So far, I have identified only one potential illicit discharge, and I'll need you to confirm if it is actually a city outfall. I was investigating the area around W Fernau Ave and Walter St. The city's storm sewer mapping still shows the old storm sewer, from before the Fernau/Algoma roundabout. This storm sewer originally discharged at outfall 12-1328, which no longer exists. I decided to spend a few minutes in the field attempting to determine the layout of the new storm sewer and the location of the new outfall.

I identified an outfall in the northeast corner of the detention basin near Nolte Ave and Algoma Blvd. Based on the configuration of the manholes and curb inlets, it appeared that this might be the replacement for outfall 12-1328, so I did an initial screening.

During the screening, I noticed a white discharge coming from the outfall. The trickle discharge appeared to have a fine sediment in it, similar to chalk or silt. The white color was present in the flow, and had stained the pipe, apron, and downstream riprap. There were also pools of the white discharge in the riprap channel leading to the detention basin.

A sample was collected and tested for chemical indicator parameters:

- Ammonia was 1 ppm (at the threshold for a potential illicit discharge).
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- No detergent was detected.
- Conductivity was 2470  $\mu\text{S}/\text{mS}$ , which shows a fairly high concentration of dissolved ionic material. (Anything over 2000  $\mu\text{S}/\text{mS}$  is suspect for wastewater/washwater.)
- The pH was 11.66, which is extremely high. (Typical outfall samples have a pH of 6-9.)

I located the curb inlet at the southwest corner of Nolte Avenue and Walter Street, which appeared to be the first upstream structure. I did not observe a flow in this structure, but it was difficult to see the flowline from the south.

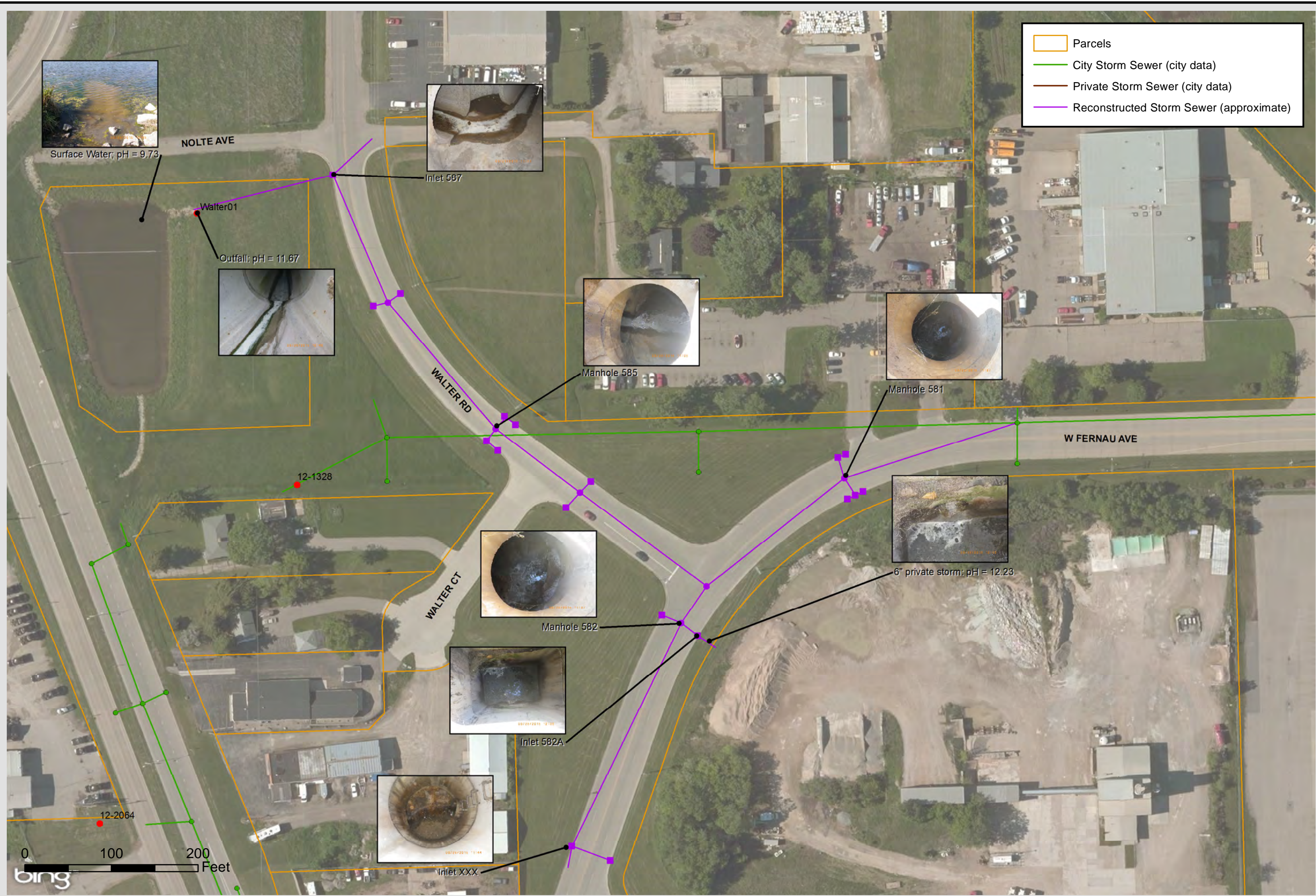
At this time, I have a few questions for the City:

1. Can you confirm that this is the City's outfall (not County, State, etc.)?
2. Is this outfall the replacement for outfall 12-1328, which was relocated due to the roundabout construction?
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Project Manager: BDW	Project Engineer: JCW	Drawn By: JCW	Checked By: BDW	Date: 9/28/2015
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IDE ONGOING SCREENING PROGRAM  
WALTER ROAD/NOLTE AVE DETENTION BASIN  
ILLICIT DISCHARGE TRACKING (9/28/2015)

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

SCALE:  
1" = 100'  
PROJECT NO.  
**N2029C15**  
FIGURE NO.  
**A-1**



## Jason Weis

---

**From:** Rabe, James E. <jrabe@ci.oshkosh.wi.us>  
**Sent:** Tuesday, September 29, 2015 10:01 AM  
**To:** Jason Weis; Gohde, Steven M.  
**Cc:** Brian Wayner; Lyons, Kris  
**Subject:** RE: Potential illicit discharge - Nolte Avenue detention basin

Jason,

Thank you for the summary. To confirm our phone conversation, we will meet Mike Tews from Carew Concrete onsite at 1:00 p.m. to review this, and see if the source can be located. Please bring your gear to assist. Please charge on the "tracking" task.

Streets Division will meet us at the intersection of Fernau and Walter with the push camera to assist in looking up the line tapped into the back of the inlet.

Thank you,

James

---

**From:** Jason Weis [mailto:Jason.Weis@omni.com]  
**Sent:** Monday, September 28, 2015 3:15 PM  
**To:** Gohde, Steven M.; Rabe, James E.  
**Cc:** Brian Wayner; Lyons, Kris  
**Subject:** RE: Potential illicit discharge - Nolte Avenue detention basin

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Cc: Brian Wayner <[Brian.Wayner@omnni.com](mailto:Brian.Wayner@omnni.com)>, "Lyons, Kris" <[KL Lyons@ci.oshkosh.wi.us](mailto:KL Lyons@ci.oshkosh.wi.us)>  
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**Cc:** Brian Wayner  
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## **Appendix E**

### **MS4 Outfall Screening History/Schedule**

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**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
P	01-20	U	U	x		
P	01-35	U	U	x		
P	01-278	U	U	x		
P	01-520	P	P	x		
P	02-357	P	P	x		
P	03-119	U	U	x		
P	03-173	P	P	x		
P	03-22	P	P	x		
P	03-35	P	P	x		
P	03-381	P	P	x		
P	03-81	U	P	x		
P	05-241	U	U	x		
P	06-253	U	U	x		
P	06-52	P	P	x		
P	06-810	U	U	x		
P	08-284	P	P	x		
P	08-347	P	P	x		
P	08-937	U	U	x		
P	09-101a	U	U	x		
P	11-376	P	P	x		
P	11-512	P	P	x		
P	12-1313	U	U	x		
P	12-1328a	O	P	x		
P	12-569	P	P	x		
P	12-576	U	U	x		
P	13-1098	U	U	x		
P	13-1588	U	U	x		
P	13-1716	U	U	x		
P	13-1718	U	U	x		
P	13-1758	U	U	x		
P	13-2957	U	U	x		
P	13-3774	U	U	x		
P	14-1514	U	U	x		
P	14-582	U	U	x		
P	14-999	U	U	x		
P	15-1093	U		x		
P	15-1108	U	U	x		
P	15-143	U	U	x		
P	15-146	U	U	x		
P	15-2409	U	U	x		
P	15-2477	U	U	x		
P	16-1205	U	U	x		
P	16-142	P	P	x		
P	16-1508	P	U	x		
P	16-533	P	P	x		
P	16-844	U	U	x		
NPM	01-360	U				
NPM	01-642	P	P	r		
NPM	03-293		U			
NPM	05-155	U				
NPM	05-216	U				
NPM	06-1132			x		
NPM	06-1136			x		
NPM	06-1601			x		
NPM	06-1746			x		

Changed from NPNM after 2016

**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	06-2241					
NPM	06-2380	U				
NPM	06-489					
NPM	09-101b					
NPM	09-32					
NPM	09-84					
NPM	11-173		U			
NPM	11-400		U			
NPM	11-465a		U			
NPM	11-479		U			
NPM	12-2042	U				
NPM	12-2064					
NPM	12-890	U				
NPM	12-925	U				
NPM	13-101					
NPM	13-1106	U				
NPM	13-1174	U				
NPM	13-1242					
NPM	13-1283	U				
NPM	13-1769	U				
NPM	13-2332					
NPM	13-2382					
NPM	13-2611					
NPM	13-2613					
NPM	13-2736					
NPM	13-2822b					
NPM	13-2872b					
NPM	13-337					
NPM	13-471					
NPM	13-68	U				
NPM	13-875					
NPM	14-1007			x		
NPM	14-188		U			
NPM	14-331		U			
NPM	14-400		U			
NPM	14-595			x		
NPM	14-635			x		
NPM	14-644			x		
NPM	14-645			x		
NPM	14-659			x		
NPM	14-670			x		
NPM	14-676			x		
NPM	14-766			x		
NPM	14-996			x		
NPM	15-1032					
NPM	15-1067					
NPM	15-1095					
NPM	15-1219					
NPM	15-1248					
NPM	15-1263					
NPM	15-1277		U			
NPM	15-1817		U			
NPM	15-1889					
NPM	15-2108					
NPM	15-2243					



**City of Oshkosh**

## MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	15-2404a					
NPM	15-2790					
NPM	15-636		P	r		
NPM	15-744		U			
NPM	15-787		U			
NPM	15-910		U			
NPM	15-940		U			
NPM	15-959		U			
NPM	16-1610					
NPM	16-295	U				
NPM	16-389	U				
NPM	16-436					
NPM	16-646b			x		
NPM	FernauPond	U				
NPM	OakwoodPondOut					
NPM	WashAller01					
NPNM	01-132					
NPNM	01-318	P	U			
NPNM	01-380	U				
NPNM	02-105	U				
NPNM	02-309	P	P	r		
NPNM	02-322	U				
NPNM	02-324	U				
NPNM	03-306					
NPNM	03-379					
NPNM	03-382					
NPNM	03-385					
NPNM	03-387					
NPNM	03-392					
NPNM	05-14	P	P	r		
NPNM	05-264a	U				
NPNM	06-1028		P	r		
NPNM	06-1083			x		
NPNM	06-1090			x		
NPNM	06-1149			x		
NPNM	06-1159					
NPNM	06-1161					
NPNM	06-1210			x		
NPNM	06-1211			x		
NPNM	06-1477			x		
NPNM	06-1495			x		
NPNM	06-154					
NPNM	06-1562					
NPNM	06-1619					
NPNM	06-1633					
NPNM	06-1636					
NPNM	06-1694					
NPNM	06-1814			x		
NPNM	06-1816			x		
NPNM	06-1986			x		
NPNM	06-216					
NPNM	06-221		P	r		
NPNM	06-3			x		
NPNM	06-471					
NPNM	06-473					

**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	06-478					
NPNM	06-494					
NPNM	06-588					
NPNM	06-602					
NPNM	06-610					
NPNM	06-622a			x		
NPNM	06-65			x		
NPNM	06-729					
NPNM	06-745					
NPNM	06-795					
NPNM	06-798					
NPNM	06-829					
NPNM	06-880			x		
NPNM	06-961			x		
NPNM	06-968			x		
NPNM	06-977			x		
NPNM	08-100	U				
NPNM	08-1042	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	r		
NPNM	08-369	U				
NPNM	08-395	U				
NPNM	08-55					
NPNM	09-101c					
NPNM	11-118					
NPNM	11-177					
NPNM	11-225					
NPNM	11-244					
NPNM	11-247					
NPNM	11-318					
NPNM	11-46					
NPNM	11-515					
NPNM	11-64					
NPNM	11-69					
NPNM	11-71					
NPNM	11-75					
NPNM	11-79					
NPNM	11-801					
NPNM	11-803					
NPNM	11-805					
NPNM	12-1245					
NPNM	12-1261					
NPNM	12-1414					
NPNM	12-1604					
NPNM	12-1676					
NPNM	12-1676a					
NPNM	12-1682					
NPNM	12-1692					
NPNM	12-1700					
NPNM	12-1711					

**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	12-1781	U				
NPNM	12-1793	U				
NPNM	12-1795	U				
NPNM	12-1916					
NPNM	12-2026	U				
NPNM	12-2034	U				
NPNM	12-2075					
NPNM	12-2079					
NPNM	12-2089					
NPNM	12-2092a					
NPNM	12-2093					
NPNM	12-2273					
NPNM	12-2297	U	U			
NPNM	12-2299	U	U			
NPNM	12-889	U				
NPNM	12-972	U				
NPNM	12-997	U				
NPNM	13-1109					
NPNM	13-1552					
NPNM	13-1554	U				
NPNM	13-1673					
NPNM	13-1715					
NPNM	13-1760					
NPNM	13-1766	U				
NPNM	13-1870					
NPNM	13-1957					
NPNM	13-2031					
NPNM	13-2135					
NPNM	13-2156					
NPNM	13-2387	U				
NPNM	13-2390	U				
NPNM	13-2455					
NPNM	13-2464					
NPNM	13-2527					
NPNM	13-2557					
NPNM	13-2559					
NPNM	13-2561					
NPNM	13-2563					
NPNM	13-2564					
NPNM	13-2596					
NPNM	13-2666					
NPNM	13-2768					
NPNM	13-2822					
NPNM	13-2860					
NPNM	13-2867					
NPNM	13-2872					
NPNM	13-2886					
NPNM	13-3097					
NPNM	13-3099					
NPNM	13-3119					
NPNM	13-3127					
NPNM	13-3130					
NPNM	13-3162					
NPNM	13-3194					
NPNM	13-3204					

Changed from P after 2016  
 Changed from P after 2016



**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	13-3204b					
NPNM	13-3224					
NPNM	13-3243					
NPNM	13-3427					
NPNM	13-3431					
NPNM	13-3488					
NPNM	13-3497					
NPNM	13-3509					
NPNM	13-3636					
NPNM	13-3706					
NPNM	13-546					
NPNM	13-819					
NPNM	13-948					
NPNM	13-95					
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	14-124					
NPNM	14-1253					
NPNM	14-1253b					
NPNM	14-1387					
NPNM	14-1515					
NPNM	14-327					
NPNM	14-368					
NPNM	14-517					
NPNM	14-615					
NPNM	14-660					
NPNM	14-675					
NPNM	14-759					
NPNM	14-789					
NPNM	15-027					
NPNM	15-1018					
NPNM	15-1020					
NPNM	15-1106					
NPNM	15-1110					
NPNM	15-1125					
NPNM	15-1127					
NPNM	15-1129					
NPNM	15-1132					
NPNM	15-1135					
NPNM	15-1137					
NPNM	15-1185					
NPNM	15-1187					
NPNM	15-1188					
NPNM	15-1217					
NPNM	15-1225					
NPNM	15-1237	U	U			
NPNM	15-1239					

Changed from P after 2016

**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	15-1287					
NPNM	15-1348					
NPNM	15-1494					
NPNM	15-1702					
NPNM	15-1734					
NPNM	15-1746					
NPNM	15-1749					
NPNM	15-1806					
NPNM	15-1807					
NPNM	15-1856					
NPNM	15-1891					
NPNM	15-1903					
NPNM	15-1983					
NPNM	15-2242					
NPNM	15-2292					
NPNM	15-2295					
NPNM	15-2297					
NPNM	15-2375					
NPNM	15-2394					
NPNM	15-2404					
NPNM	15-2412					
NPNM	15-2475					
NPNM	15-2527					
NPNM	15-2528					
NPNM	15-2690					
NPNM	15-349					
NPNM	15-350					
NPNM	15-378					
NPNM	15-399					
NPNM	15-488					
NPNM	15-571					
NPNM	15-573					
NPNM	15-687					
NPNM	15-690					
NPNM	15-692					
NPNM	15-693					
NPNM	15-798					
NPNM	15-804					
NPNM	15-835					
NPNM	15-840					
NPNM	15-858					
NPNM	15-863					
NPNM	15-865					
NPNM	15-895					
NPNM	15-905					
NPNM	15-965					
NPNM	16-1074		U			
NPNM	16-119		U			
NPNM	16-1204			x		
NPNM	16-1207			x		
NPNM	16-1213			x		
NPNM	16-155		U			
NPNM	16-1578		U			
NPNM	16-1628		U			
NPNM	16-1633			x		

Replaces 16-514

**City of Oshkosh**

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	16-164					
NPNM	16-201		U			
NPNM	16-28		P	r		
NPNM	16-289		P	r		
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	16-47		U			
NPNM	16-488		U			
NPNM	16-532		U			
NPNM	16-551		U			
NPNM	16-587					
NPNM	16-594		P	r		
NPNM	16-622			x		
NPNM	16-629			x		
NPNM	16-646a			x		
NPNM	16-660			x		
NPNM	16-663			x		
NPNM	16-71		P	r		
NPNM	16-719		U			
NPNM	16-826			x		
NPNM	16-828					
NPNM	16-869			x		
NPNM	16-871		U			
NPNM	16-873		U			
NPNM	16-93		U			
NPNM	16-941			x		
NPNM	16-995			x		
NPNM	EdgePond1out					
NPNM	EdgePond2in					
NPNM	Osh0944					
NPNM	Wash41_01	U				
NPNM	Wash41_02	U				

U	Unlikely	77	71	0	0	0
P	Potential	20	27	0	0	0
O	Obvious	1	0	0	0	0
		98	98	0	0	0
x	Scheduled	0	0	91	0	0
r	Reinspect	0	0	11	0	0
		0	0	102	0	0

Total MS4 Outfalls				
P	Priority Outfall (annual)			46
NPM	Non-Priority Major Outfall (5 years)			80
NPNM	Non-Priority Non-Major Outfall (10 years)			299
				425