

Illicit Discharge Detection and Elimination
Conducted For
City of Oshkosh

Ongoing Screening Summary Report

2017 Inspection Year

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EXECUTIVE SUMMARY

During the summer of 2017, 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 101 of the approximately 428 MS4 outfalls identified in the City. The inspections consisted of a visual screening along with a chemical analysis of any dry-weather flow that was present. The inspections revealed 25 outfalls with evidence of potential or obvious illicit discharges, primarily manholes with trapped floating litter.

BACKGROUND

Purpose

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

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

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

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

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

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

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

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

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

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

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

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

Program History

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

September 2009 – Initial Screening (major outfalls)

109 major outfalls screened, with 23 potential and one obvious illicit discharge identified.
City of Oshkosh Initial Field Screening Summary Report (May 18, 2010)

December 2009 – Ongoing Field Screening Program

348 MS4 outfalls identified, screened over a four-year inspection cycle.
City of Oshkosh IDDE Ongoing Field Screening Program (May 19, 2010)

August 2010 – 2010 Ongoing Screening

93 outfalls screened, with 26 potential illicit discharges identified.
City of Oshkosh Ongoing Screening Summary Report – 2010 Inspection Year (March 28, 2011)

June 2, 2011 – USEPA Audit

Assisted with questions concerning the IDDE program

October 2011 – 2011 Ongoing Screening

121 outfalls screened, with 15 potential and one obvious illicit discharge identified.
City of Oshkosh Ongoing Screening Summary Report – 2011 Inspection Year (March 6, 2012)

October 2012 – 2012 Ongoing Screening

100 outfalls screened, with 12 potential illicit discharges identified.
City of Oshkosh Ongoing Screening Summary Report – 2012 Inspection Year (March 25, 2013)

July 2013 – 2013 Ongoing Screening

95 outfalls screened, with 7 potential illicit discharges identified.
City of Oshkosh Ongoing Screening Summary Report – 2013 Inspection Year (February 20, 2014)

October 2014 – 2014 Ongoing Screening

42 outfalls screened (prior potential illicit discharges), with 17 potential illicit discharges identified.
City of Oshkosh Ongoing Screening Summary Report – 2014 Inspection Year (February 23, 2015)

September 2015 – Ongoing Field Screening Program Revision (draft)

425 MS4 outfalls identified, with 60 priority outfalls.
City of Oshkosh IDDE Ongoing Field Screening Program – 2015 Revision (September 16, 2015)

September 2015 – 2015 Ongoing Screening

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

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

October 2016 – 2016 Ongoing Screening

98 outfalls screened, with 27 potential illicit discharges identified.

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

October 2017 – 2017 Ongoing Screening

101 outfalls screened, with 25 potential illicit discharges identified.

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

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

The 2017 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 2017 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, 2018.

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 2017 ongoing screening. The location of the weather station is shown in Figure 1.

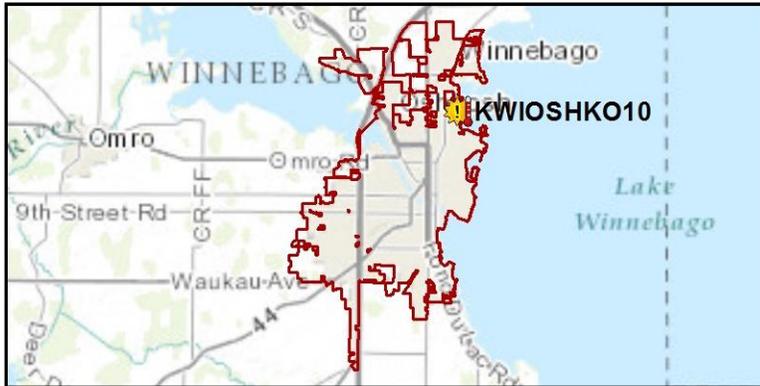


Figure 1 – Location of weather station for weather history

The weather history from September 3, 2017 (one month prior to the start of inspections) through October 24, 2017 (one week after the completion of inspections) from this weather station is shown in Figure 2.

Weather History Graph
September 3, 2017 - October 24, 2017

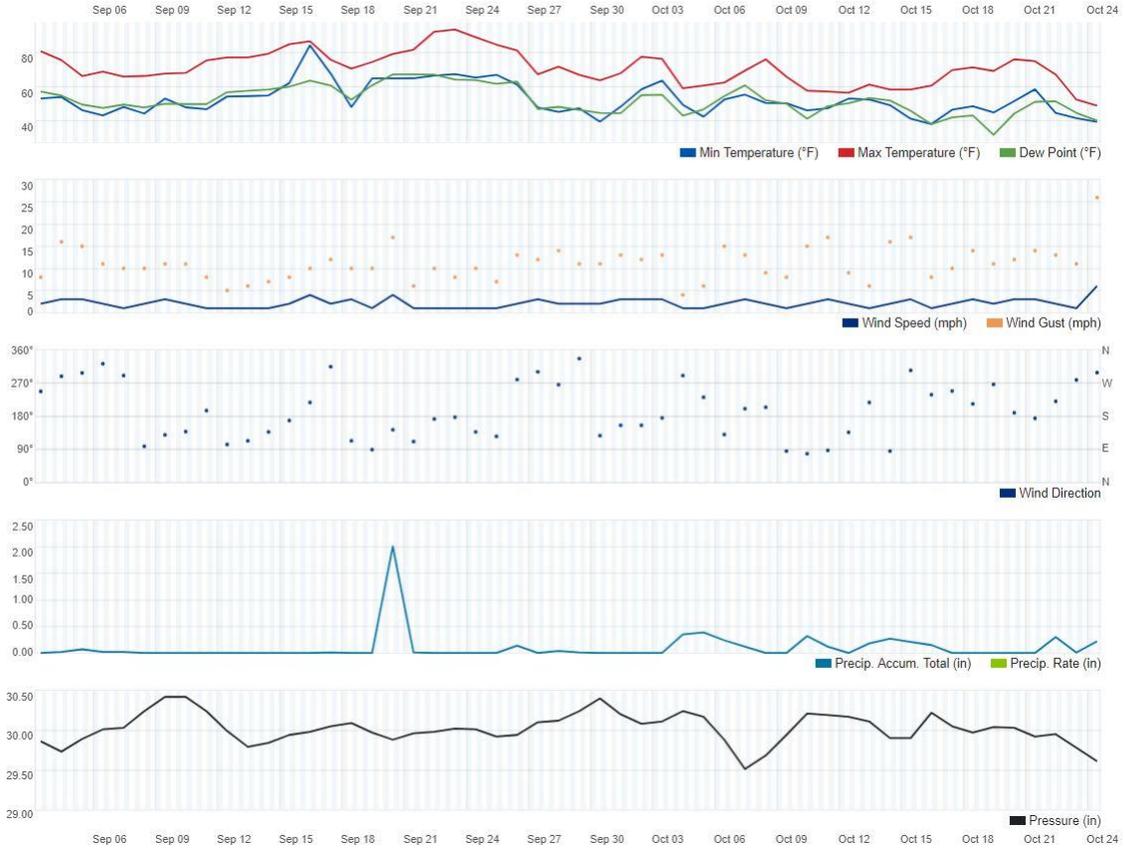


Figure 2 – Summer 2017 weather history (Weather Underground)

Outfall inspections were conducted in the City of Oshkosh on October 3 and October 17-19, 2017. Those inspection dates (red), along with the daily rainfall history (blue), are shown in Figure 3.

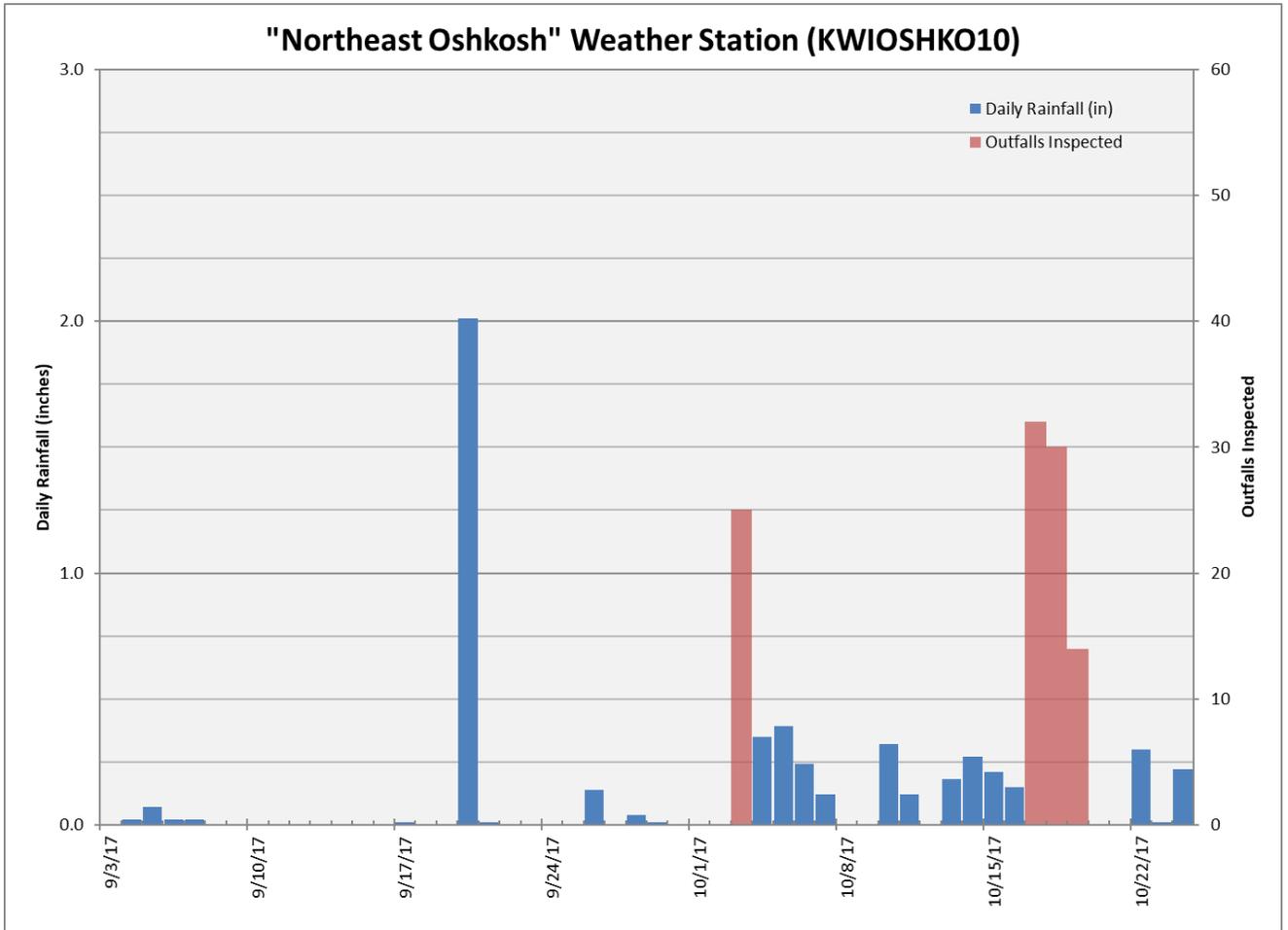


Figure 3 – Rainfall history and outfall inspections

Flow

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

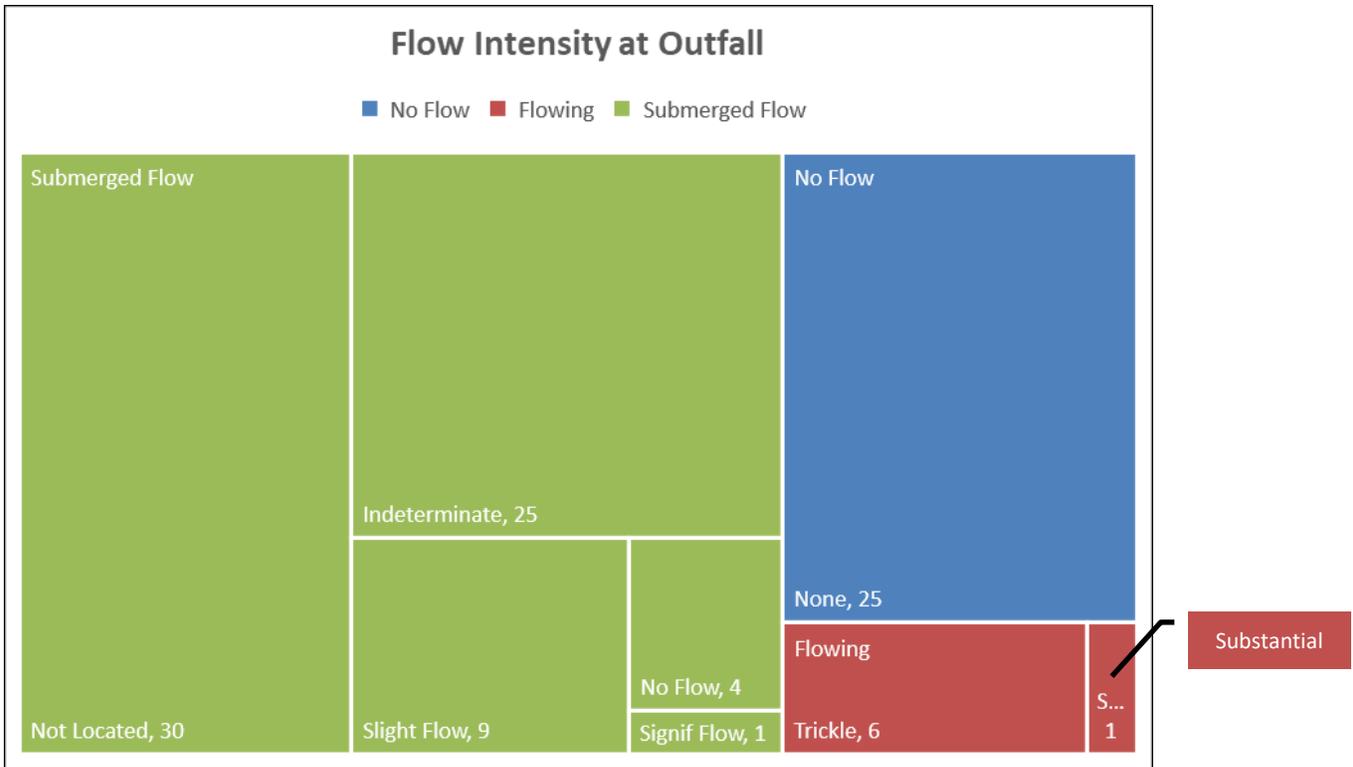


Figure 4 – Flow intensity at outfall

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

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

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

Submerged Outfalls

Most of the outfalls in the City were located at or below the normal levels of their respective receiving waters. Of the 101 inspected outfalls, 34 were partially submerged, and 35 were fully submerged (Figure 5). Of the 35 fully submerged outfalls, 30 could not be physically located.

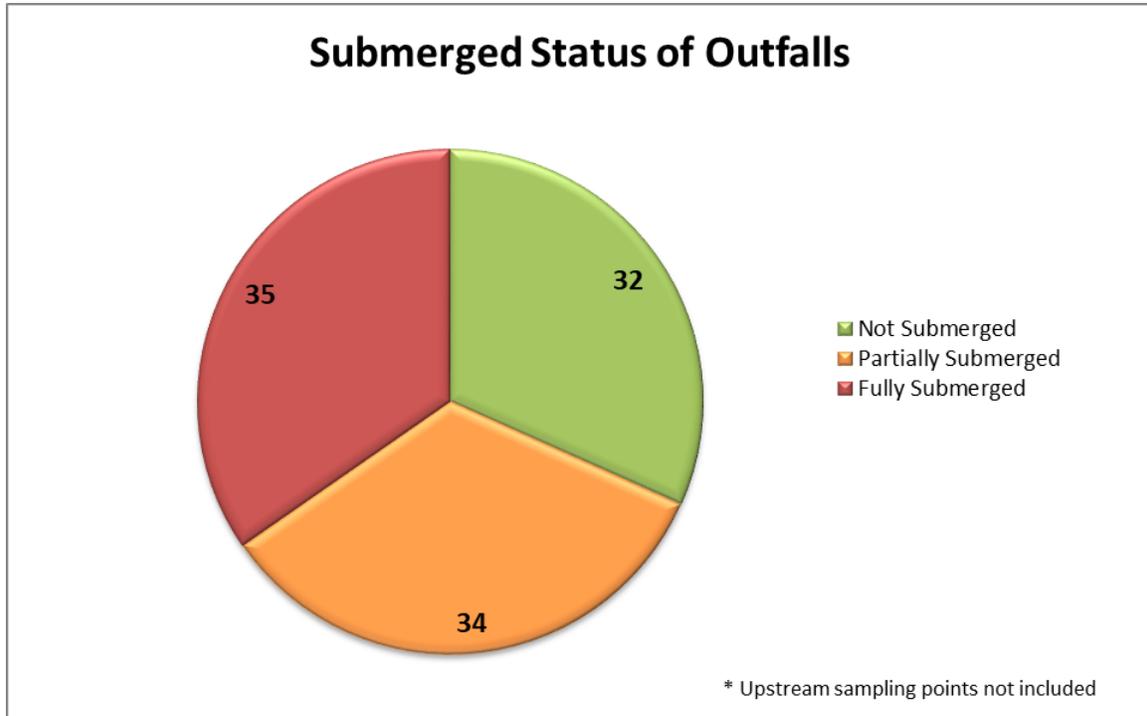


Figure 5 – Submerged status of outfalls

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.

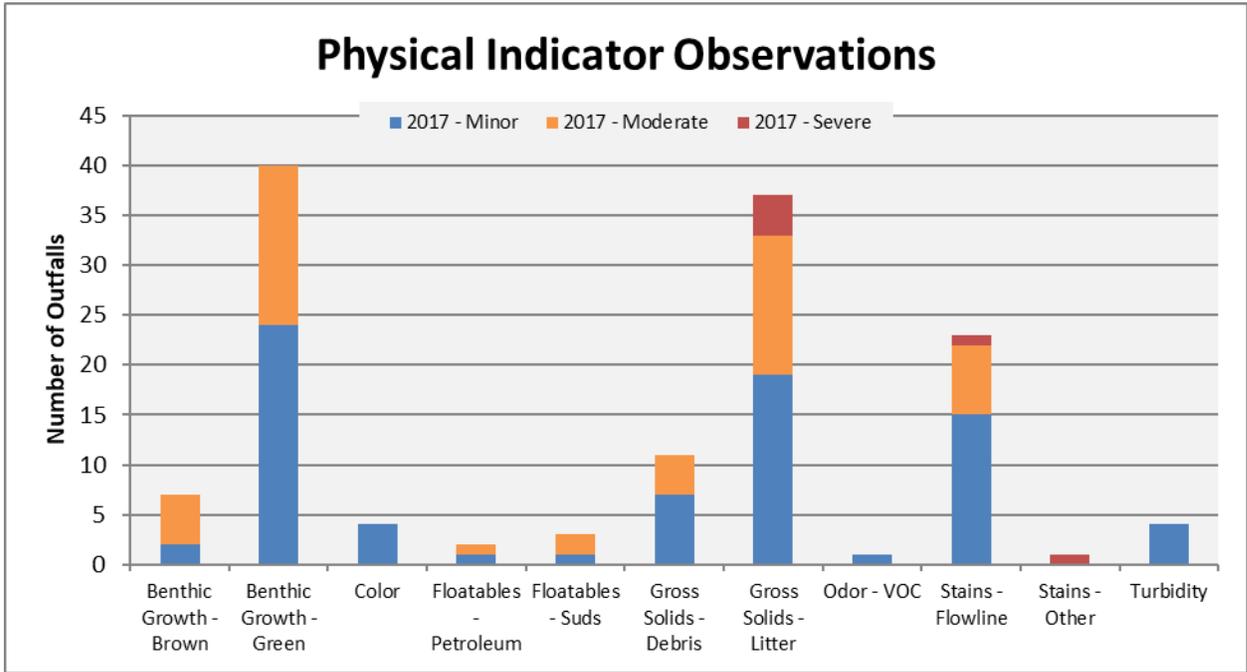


Figure 6 – Physical indicator observations

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 2017, 17 outfalls were classified as potential illicit discharge because of the presence of moderate or severe gross solids in their upstream manholes, and one was classified as potential due to significant amounts of dry gross solids (litter) inside the outfall pipe. These outfalls are discussed in more detail in the *Potential Illicit Discharges* section of this report. No other outfalls were classified as potential illicit discharge solely due to physical indicators.

CHEMICAL ANALYSIS

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

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

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

Flow samples were collected at all outfalls that exhibited dry-weather flow at the time of the inspection. For partially-submerged or fully-submerged outfalls, a sample was collected from the flow or submerged pool at the first upstream sampling location, or from the outfall pool if an upstream location was not available. A total of 66 stormwater samples were collected and analyzed as part of the ongoing screening process in 2017 – 15 were from flow streams, and 51 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.

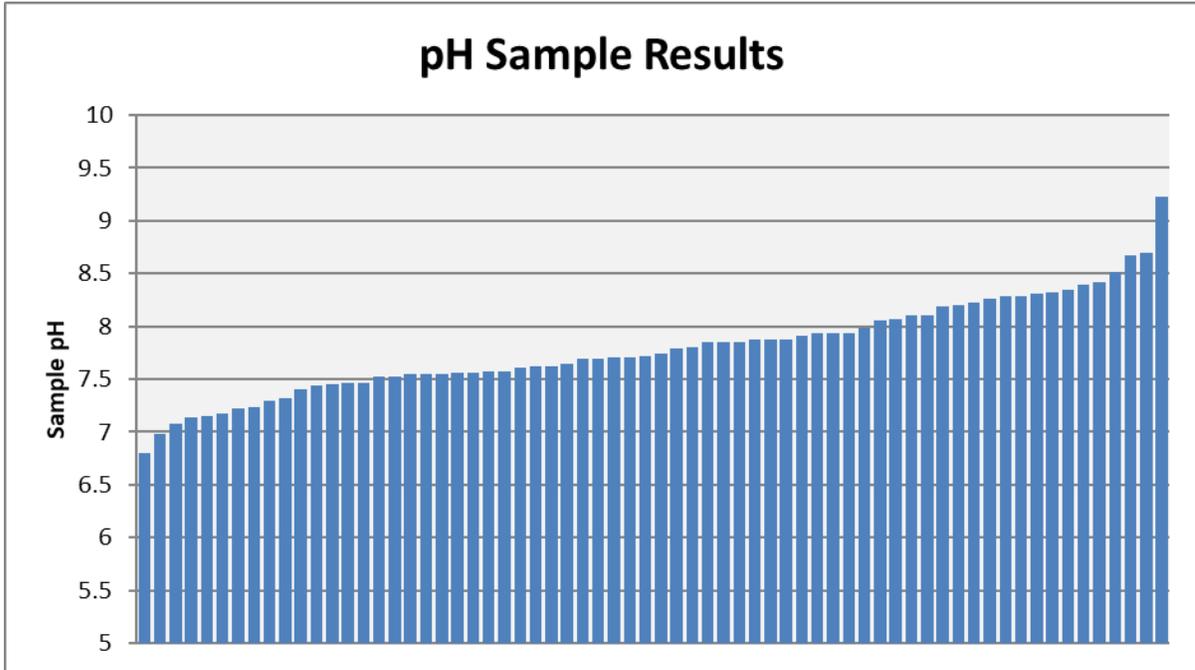


Figure 7 – pH sample results

The pH values ranged from 6.80 to 9.23. One sample (12-1328a) was outside of the 6.0-9.0 normal range. Because the sample also had elevated pH in 2015-2016, 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.

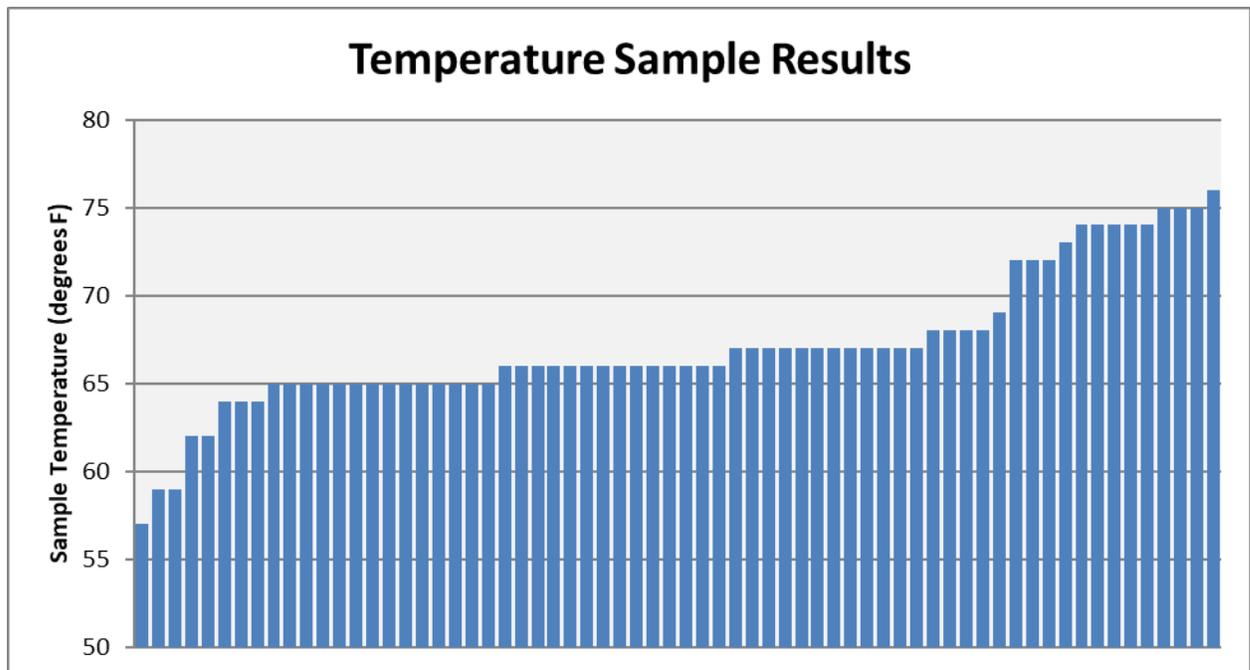
Ground temperatures were typically 55 °F or warmer in summer. As a result, the “normal” temperature range was set at 55 °F to 90 °F. Any samples outside of this range could contain flow other than stormwater runoff.

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.¹

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

Testing Method

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

Results

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

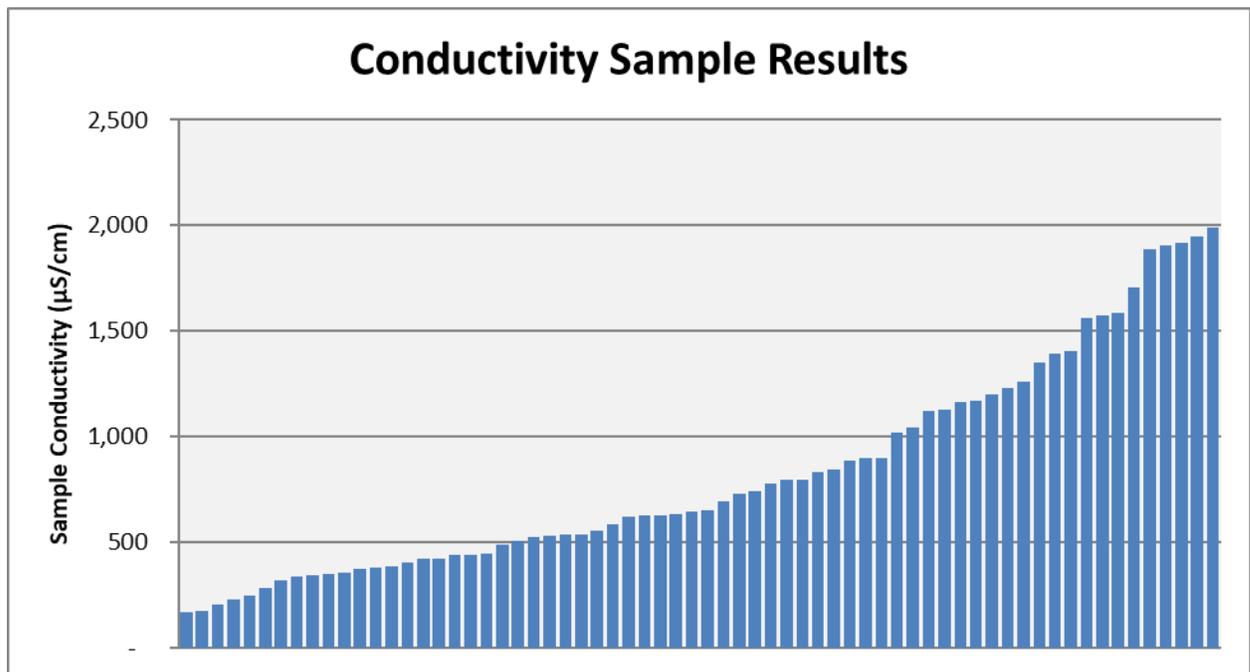


Figure 9 – Conductivity sample results

The conductivity values ranged from 164 to 1,990 $\mu\text{S}/\text{cm}$. None of the samples exceeded the 2,000 $\mu\text{S}/\text{cm}$ action level, so none of the samples were considered suspect due to conductivity.

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

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 NH₃-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.

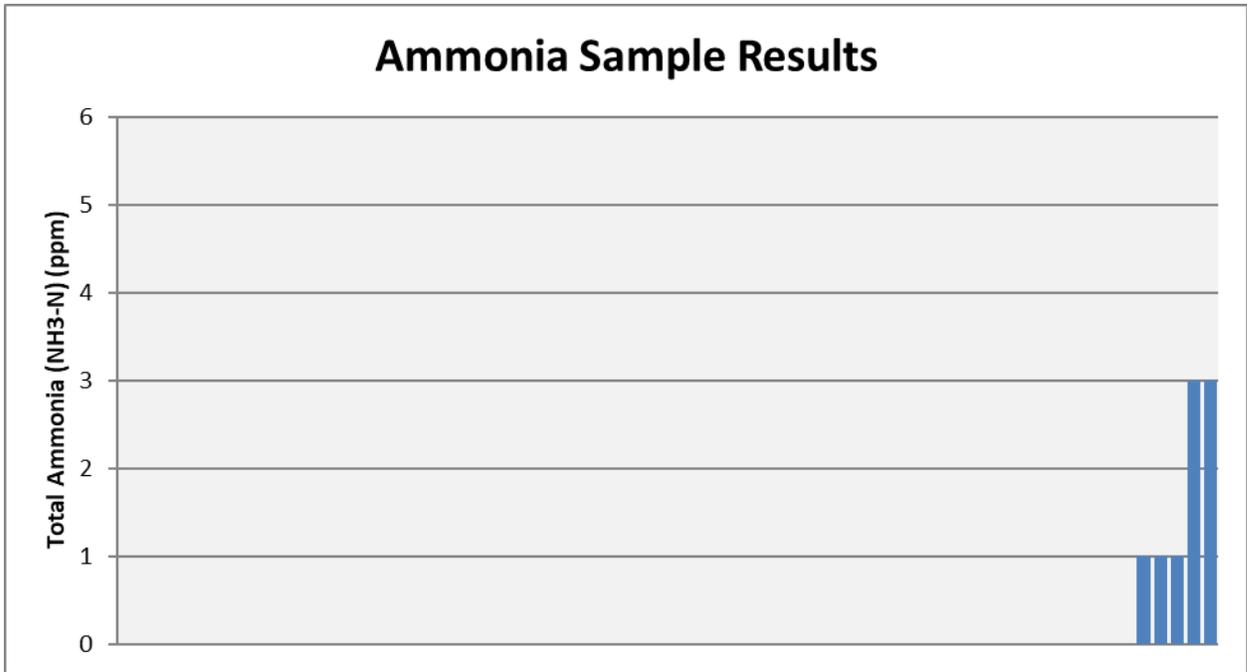


Figure 10 – Ammonia sample results

The ammonia values ranged from 0 to 3 ppm. Five 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

Outfall	Ammonia (ppm)	IDDE Potential	Reason
03-81 US1	1	Potential	Elevated ammonia and detergent in manhole pool.

Outfall	Ammonia (ppm)	IDDE Potential	Reason
08-937 US1	1	Unlikely	No other indicator parameters out of range. Assumed to be decomposition product.
16-142 US1	1	Unlikely	No other indicator parameters out of range. Assumed to be decomposition product.
06-253 US1	3	Potential	Elevated ammonia in manhole flow.
13-1716	3	Potential	Elevated ammonia in manhole pool. History of ammonia and detergent.

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

Detergents

Background

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

There are four main classes of detergents:

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

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

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

Testing Method

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

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



Figure 11 – Typical MBAS Detergent Test Results

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

Results

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

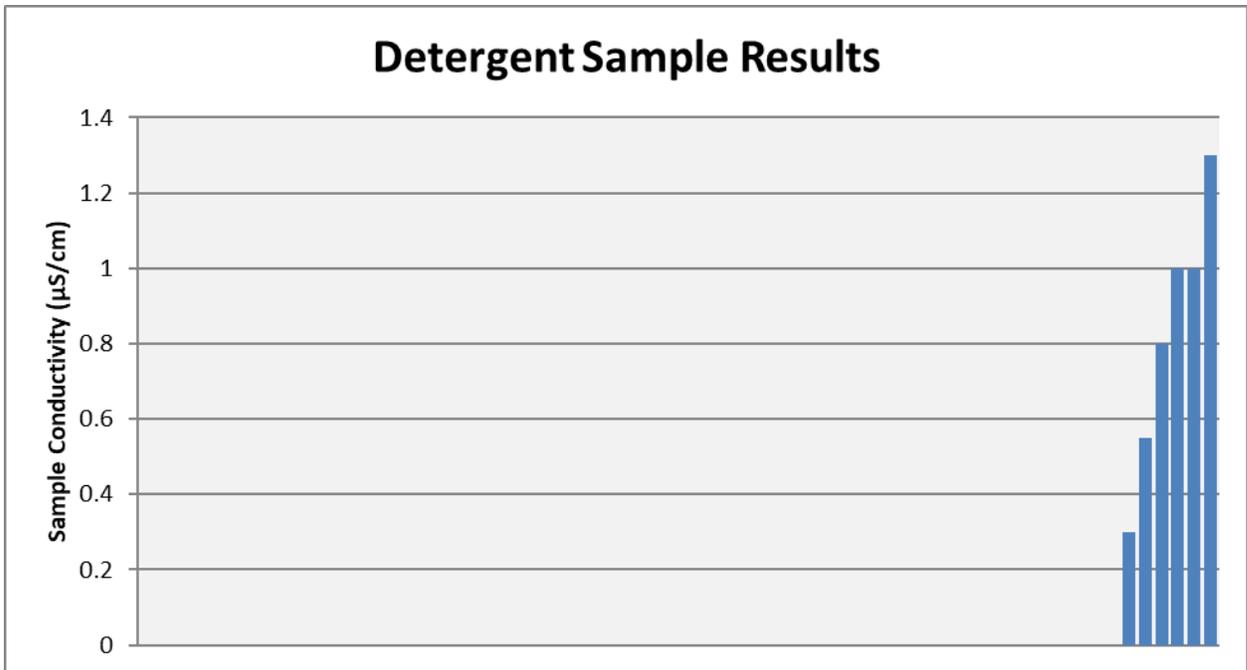


Figure 12 – Detergent sample results

The detergent values ranged from 0 to 1.3 mg/L, with six samples showing positive detections of detergent. Based on other factors, those outfalls may or may not have been classified as potential illicit discharges. The illicit discharge potential of the outfalls with ammonia detections are summarized in Table 1.

Table 2 – IDDE potential of outfalls with detergent detections

Outfall	Detergent (mg/L)	IDDE Potential	Reason
13-1588	0.3	Potential	Detergent detected in pipe flow.
16-660 US1	0.55	Potential	Detergent detected in manhole flow.
03-81 US1	0.8	Potential	Detergent and elevated ammonia in manhole pool.
05-241 US1	1	Potential	Detergent detected in manhole pool.
06-1746	1	Potential	Detergent detected in outfall pool.
16-995 US1	1.3	Potential	Detergent detected in manhole pool.

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

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 101 inspected outfalls, 76 were classified as unlikely, 25 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 3 – Outfalls with elevated illicit discharge classifications

Outfall	Classification	Reason
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2015 and 2016).
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016).
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2015 and 2016).
03-81	Potential	Oil sheen/odor, detergent and elevated ammonia in upstream manhole, with gross solids (also present in 2009, 2010, 2014 and 2016).
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016). Evidence of past spill of waxy material on manhole.
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015 and 2016).
05-241	Potential	Detergent detected in upstream manhole sample.
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2016).
06-253	Potential	Elevated ammonia in upstream manhole sample.
06-1371	Potential	Significant gross solids (dry litter) inside pipe.
06-1746	Potential	Detergent detected in sample from outfall pool.
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014, 2015 and 2016).

Outfall	Classification	Reason
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014, 2015 and 2016).
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014, 2015 and 2016).
12-1328a	Potential	Elevated pH (also present in 2015 and 2016).
13-1716	Potential	Elevated ammonia in flow sample (also in 2012 and 2013).
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010 and 2016).
16-660	Potential	Detergent detected in upstream manhole sample.
16-995	Potential	Detergent detected in upstream manhole sample.

A chart showing the number of outfalls inspected over the past eight years (starting with the initial screening in 2010) and the number of potential or obvious illicit discharges is shown in Figure 13.

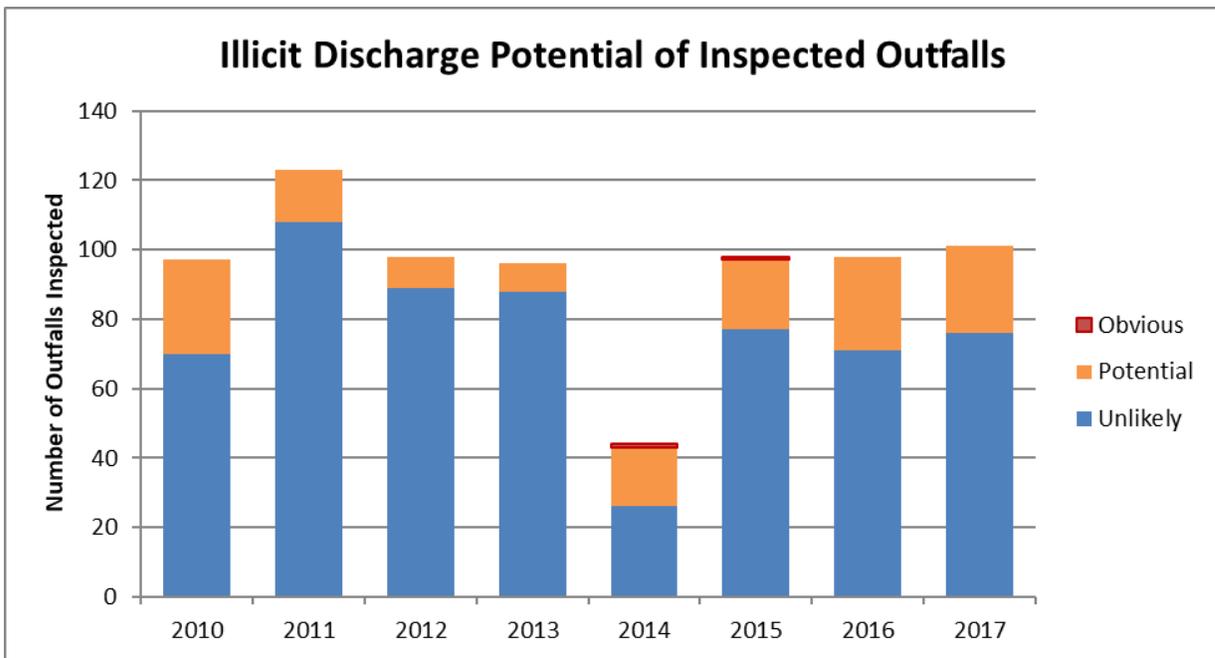


Figure 13 – Illicit discharge potential of inspected outfalls

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

Upstream Manholes with Significant Floatable Debris

During the 2017 ongoing screening program, 17 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 2009-2016 screening programs are shown in the table in Appendix D. The 2017 screening results are also shown.

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

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

Outfall 03-81 (Pioneer Drive)

Outfall 03-81 consists of a 24-inch cast iron pipe that 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, located on the south side of Pioneer Drive.



Figure 14 – Upstream manhole 03-81 US1 (2017)

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 15 – 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. 10th 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 4:

Table 4 - Sample results from manhole 03-81 US1

Date	Ammonia (ppm)	Detergent (mg/L)	Petroleum	Gross Solids	Illicit Discharge Potential
9/9/2009	N/A	0	Strong odor, severe sheen/coated	Severe	Obvious
8/18/2010	0	0	Faint odor	Moderate	Potential
5/26/2011	N/A	N/A	None	Minor	Unlikely
10/11/2011	0.25	N/A	None	Minor	Unlikely
10/9/2014	0.5	0	Faint odor, slight sheen	Severe	Obvious
9/23/2015	1	0	None	Minor	Unlikely
10/10/2016	1	0	Faint odor, moderate sheen	Minor	Potential
10/18/2017	1	0.8	Moderate sheen, no odor	Minor	Potential



Figure 16 – Upstream manhole 03-81 US1 (2017)

There appears to be the potential for an ongoing intermittent discharge of petroleum from a source on E. 10th 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 related to this investigation are included in Appendix D.

Outfall 03-173 (Blended Waxes)

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



Figure 17 - Outfall 03-173 (2014)

Because the outfall is always fully submerged (and often not located), the screening is conducted at an upstream manhole. The first upstream manhole (03-173 US1) is located between the railroad and the shoreline. Early screening used this manhole, but it is now inaccessible in the brush and railroad ballast.

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



Figure 18 – Upstream manhole 03-173 US2 (2017)

Floating gross solids were observed in the upstream manhole(s) in 2010, 2011, 2014, 2015 and 2016, and the outfall was listed as a potential illicit discharge for this reason.

During the 2017 screening, gross solids were once again observed in manhole 03-173 US2. However, upon arriving at the manhole, stains were observed around the manhole, and the recesses in the manhole lid were filled with a white wax. A railroad tank car was parked over the manhole, and the markings appeared to indicate that it contained a type of wax.



Figure 19 – Wax stains near manhole 03-173 US2 (2017)

The pick hole for the manhole lid was also filled in with the waxy substance. Upon opening the manhole, no wax was observed inside the manhole, so the waxy nature of the spill may have prevented any infiltration into the storm sewer.

The City may want to review proper storage practices with the facility, and verify that they have completed a stormwater pollution prevention plan (SWPPP) that addresses storage of substances near the storm sewer.

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2018.

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

Outfall 05-241 (Rockwell Ave)

Outfall 05-241 consists of an 18-inch corrugated metal pipe (CMP) that discharges into the Fox River at the end of Rockwell Ave. The pipe is fully submerged, and has not been physically located during outfall screenings.



Figure 20 - Outfall 05-241 (2017)

Because the outfall is fully submerged, it is screened at the upstream manhole (05-241 US1) located approximately 31 feet upstream of the outfall, at the end of Rockwell Ave.



Figure 21 – Upstream manhole 05-241 US1 (2017)

During the 2017 screening, the sample collected from manhole 05-241 US1 had a detergent detection. No other parameters were outside of the normal range.

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

Table 5 - Sample results from outfall 05-241

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
9/9/2009	Upstream	N/A	0	8.10	N/A
8/25/2010	Upstream	0	0	7.89	N/A
9/24/2015	Upstream	0	0	7.43	0
10/10/2016	Upstream	0	0	7.59	1,551
10/17/2017	Upstream	0	1.0	7.40	244

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2018.

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

Outfall 06-253 (Campbell Road)

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



Figure 22 - Outfall 06-253 (2017)

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



Figure 23 – Upstream manhole 06-253 US1 (2017)

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

The samples collected from the upstream manhole during prior screenings are summarized in Table 6:

Table 6 - Sample results from outfall 06-253

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

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2018.

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

Outfall 06-1371 (Witzel Avenue Roundabout)

Outfall 06-1371 consists of an 18-inch RCP that discharges into the I-41 right-of-way near the southbound I-41 off-ramp. The storm sewer receives drainage from the roundabout at the intersection of Witzel Avenue and the I-41 off-ramp, and discharges at the top of an embankment. As a result, the pipe was dry at the time of inspection.



Figure 24 - Outfall 06-1371 (2017)

During the 2017 screening, a significant amount of gross solids (litter) was observed inside the pipe and immediately downstream. Due to the location, it appeared that the litter came through the storm sewer system, and was not simply blown into the right-of-way.



Figure 25 – Gross solids at outfall 06-1371 (2017)

The limited storm sewer contributing to this outfall makes this much litter unexpected.

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2018.

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

Outfall 06-1746 (Lake Pointe Drive)

Outfall 06-1746 consists of a 54-inch RCP that discharges to the stream east of the intersection of Witzel Avenue and Lake Point Drive.



Figure 26 - Outfall 06-1746 (2017)

Because the outfall is sometimes partially submerged, it is also screened at the upstream manhole (06-1746 US1) located approximately 237 feet upstream of the outfall, in the Witzel Avenue terrace just east of Lake Pointe Drive.



Figure 27 – Upstream manhole 06-1746 US1 (2017)

During the 2017 screening, the upstream manhole was dry, so a sample was collected from the outfall pool. This pool sample had a detergent detection. No other parameters were outside of the normal range.

The samples collected from the outfall and/or upstream manhole during prior screenings are summarized in Table 7:

Table 7 - Sample results from outfall 06-1746

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S/cm}$)
9/3/2009	No flow	N/A	N/A	N/A	N/A
5/30/2010	Upstream	0	0	7.76	707
10/3/2017	Outfall	0	1.0	7.55	623
10/17/2017	Upstream	0	0	7.90	989

A sample collected from the upstream manhole during a repeat inspection on 10/17/2017 contained no detergent.

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

Because this outfall is a non-priority major outfall, it would normally be scheduled to be screened in 5 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2018.

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

Outfall 12-1328a (Nolte Avenue detention basin)

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



Figure 28 – Outfall 12-1328a (2017)

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 $\mu\text{S/cm}$

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

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



Figure 29 – Inlet 582A (9/28/2015)



Figure 30 – Pipe discharging into inlet 582A (9/28/2015)

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

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

The samples collected from the outfall and/or upstream manhole during prior screenings are summarized in Table 8:

Table 8 - Sample results from outfall 12-1328a

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

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

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

Outfall 13-1716 (Capital Drive)

Outfall 13-1716 is a manhole at the outlet of the detention basin located on Capital Drive, west of the Mister Car Wash. The manhole receives the outlet of the detention basin, as well as a private storm sewer lateral from the Mister Car Wash, before connecting to the storm sewer in Capital Drive.



Figure 31 - Outfall 13-1716 (2017)

During the 2017 screening, a sample collected from the pool in the manhole had elevated levels of ammonia. The manhole has had elevated levels of ammonia and/or detergent in prior screenings.

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

Table 9 - Sample results from outfall 13-1716

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity ($\mu\text{S/cm}$)
6/12/2012	Outfall	3	1.3	7.89	1,011
9/27/2012	Outfall	0	0	7.88	686
7/31/2013	Outfall	1	0	7.81	632
10/7/2014	Outfall	0	0	8.10	618
9/24/2015	Outfall	0	0	7.96	572
10/19/2016	Outfall	0	0	7.91	649
10/18/2017	Outfall	3	0	7.69	488

Because this outfall is classified as a priority outfall, it is scheduled to be rescreened in 2018.

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

Outfall 16-660 (Fall Creek Lane)

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



Figure 32 - Outfall 16-660 (2017)

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



Figure 33 – Upstream manhole 16-660 US1 (2017)

During the 2017 screening, the sample collected from manhole 16-660 US1 had a detergent detection. No other parameters were outside of the normal range.

The samples collected from the upstream manhole during prior screenings are summarized in Table 10:

Table 10 - Sample results from outfall 16-660

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
5/30/2012	Upstream	0	0	8.35	1,148
10/3/2017	Upstream	0	0.55	8.26	845
10/17/2017	Upstream	0	0	7.78	926

A sample collected from the upstream manhole during a repeat inspection on 10/17/2017 contained no detergent.

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

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2018.

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

Outfall 16-995 (Patriot Lane)

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



Figure 34 - Outfall 16-995 (2017)

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



Figure 35 – Upstream manhole 16-995 US1 (2017)

During the 2017 screening, the sample collected from manhole 16-995 US1 had a detergent detection. No other parameters were outside of the normal range.

The samples collected from the upstream manhole during prior screenings are summarized in Table 11:

Table 11 - Sample results from outfall 16-995

Date	Location	Ammonia (ppm)	Detergent (mg/L)	pH	Conductivity (µS/cm)
6/6/2012	Upstream	0	0	7.36	411
10/3/2017	Upstream	0	1.3	7.45	333
10/17/2017	Upstream	0	0.8	7.54	582

A sample collected from the upstream manhole during a repeat inspection on 10/17/2017 also had detergent.

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

Because this outfall is a non-priority non-major outfall, it would normally be scheduled to be screened in 10 years. However, because of the potential illicit discharge, it will be scheduled to be rescreened in 2018.

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

STATUS OF PRIOR YEAR’S ISSUES

During the 2016 ongoing screening program, 98 outfalls were screened. The screening revealed 27 potential illicit discharges. Those outfalls identified as potential or obvious illicit discharges were typically recommended to be rescreened in the following year, regardless of their priority status or inspection schedule.

Table 12 summarizes the issues that were identified in 2016, along with the conditions that were observed during the 2017 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 12 – Outfalls with elevated illicit discharge classifications (prior year)

Outfall	2016 Classification	2016 Reason	2017 Observations	2017 Classification
01-520	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
01-642	Potential	Persistent gross solids in upstream manhole (also present in 2015).	Minimal gross solids in manhole.	Unlikely
02-309	Potential	Persistent gross solids in upstream manhole (also present in 2011 and 2015).	Persistent gross solids in upstream manhole.	Potential
02-357	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
03-22	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential

Outfall	2016 Classification	2016 Reason	2017 Observations	2017 Classification
03-35	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, 2011, 2012, 2013 and 2015).	Persistent gross solids in upstream manhole.	Potential
03-81	Potential	Oil sheen/odor and elevated ammonia in upstream manhole, with gross solids (also present in 2009, 2010, 2014).	Oil sheen/odor, detergent and elevated ammonia in upstream manhole, with gross solids.	Potential
03-173	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole. Evidence of past spill of waxy material on manhole.	Potential
03-381	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
05-14	Potential	Persistent gross solids in upstream manhole (also present in 2015).	Persistent gross solids in upstream manhole.	Potential
06-52	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
06-221	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011 and 2014).	Persistent gross solids in upstream manhole.	Potential
06-1028	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2010, and 2012).	Minimal gross solids in manhole.	Unlikely
08-284	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
08-347	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential

Outfall	2016 Classification	2016 Reason	2017 Observations	2017 Classification
08-364	Potential	Persistent gross solids in upstream manhole (also present in 2011 and 2015).	<i>(Not screened due to construction.)</i>	
11-376	Potential	Persistent gross solids in upstream manhole (also present in 2009, 2011, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
11-512	Potential	Persistent gross solids in upstream manhole (also present in 2011, 2012, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
12-569	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2014 and 2015).	Persistent gross solids in upstream manhole.	Potential
12-1328a	Potential	Elevated pH (also present in 2015).	Elevated pH.	Potential
15-636	Potential	Persistent gross solids in upstream manhole (also present in 2011).	Minimal gross solids in manhole.	Unlikely
16-28	Potential	Persistent gross solids in upstream manhole (also present in 2010).	Minimal gross solids in manhole.	Unlikely
16-71	Potential	Persistent gross solids (including four syringes) in upstream manhole (also present in 2010).	Minimal gross solids in manhole.	Unlikely
16-142	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2012, 2014 and 2015).	Minimal gross solids in manhole.	Unlikely
16-201	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2012 and 2014).	<i>(Not screened due to traffic/parked vehicles.)</i>	
16-533	Potential	Persistent gross solids in upstream manhole (also present in 2010, 2011, 2014 and 2015).	Minimal gross solids in manhole.	Unlikely

Outfall	2016 Classification	2016 Reason	2017 Observations	2017 Classification
16-594	Potential	Persistent gross solids in upstream manhole (also present in 2010).	Persistent gross solids in upstream manhole (also present in 2010 and 2016).	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

Fifteen 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 chipped or cracked concrete pipes or aprons.

The outfall damage that was observed during the ongoing screening program is summarized in Table 13.

Table 13 – Outfalls with damage

Outfall	Severity	Description
06-3	Minor	Corrosion of corrugated metal pipe.
06-961	Moderate	End of concrete pipe undercut 11”.
06-977	Moderate	Concrete apron displaced 5”.
06-1083	Minor	Chipped/broken concrete on apron.
06-1132	Moderate	Concrete apron displaced 5” with cracked concrete.
06-1495	Minor	Missing HDPE apron clamp.
14-645	Minor	Concrete apron displaced 4”.
14-659	Moderate	Concrete apron displaced 7”.
14-996	Moderate	Concrete apron displaced 4”.
14-999	Moderate	Concrete apron displaced 3” with cracked concrete.
16-622	Minor	Corrosion of corrugated metal pipe. End of pipe undercut 7”.
16-629	Minor	Corrosion of corrugated metal pipe. End of pipe undercut 15”.
16-646a	Minor	Grate detached from top of pipe.
16-663	Moderate	Concrete apron displaced 2”.
16-941	Minor	Chipped/broken concrete on apron.

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



Figure 36 – Corrosion at outfall 06-3 (minor damage)



Figure 37 – Undercut pipe at outfall 06-961 (moderate damage)



Figure 38 – Apron displacement at outfall 06-977 (moderate damage)



Figure 39 – Chipped concrete apron at outfall 06-1083 (minor damage)



Figure 40 – Apron displacement at outfall 06-1132 (moderate damage)



Figure 41 – Missing apron clamp at outfall 06-1495 (minor damage)



Figure 42 – Apron displacement at outfall 14-645 (minor damage)



Figure 43 – Apron displacement at outfall 14-659 (moderate damage)



Figure 44 – Apron displacement at outfall 14-996 (moderate damage)



Figure 45 – Apron displacement at outfall 14-999 (moderate damage)



Figure 46 – Damaged concrete at outfall 14-999 (minor damage)



Figure 47 – Undercut pipe at outfall 16-622 (minor damage)



Figure 48 – Corrosion at outfall 16-622 (minor damage)



Figure 49 – Undercut pipe at outfall 16-629 (minor damage)



Figure 50 – Corrosion at outfall 16-629 (minor damage)



Figure 51 – Detached grate at outfall 16-646a (minor damage)



Figure 52 – Apron displacement at outfall 16-663 (moderate damage)



Figure 53 – Chipped concrete apron at outfall 16-941 (minor damage)

Deposition

A total of 19 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 14.

Table 14 – Outfalls with deposition

Outfall	Severity	Description
06-1028 US1	Moderate	5" of organic material in bottom of curb inlet.
06-1083	Minor	1" of sediment in pipe and on apron.
06-1132	Minor	1" of sediment on apron.
06-1601	Moderate	6" of sediment in pipes.
13-1098	Moderate	16" of sediment at end of pipe
13-1588	Minor	1" of sediment in pipe and on apron.
13-1758	Moderate	8" of sediment at end of pipe.
14-670	Moderate	3" of sediment in pipe and on apron.
14-766	Moderate	11" of sediment in pipe.
14-1007	Minor	2" of sediment in pipe and on apron.
14-1514	Moderate	11" of sediment and railroad ballast in pipe.
15-2409	Minor	2" of sediment in pipe and on apron.
15-2477	Minor	8" of sediment on apron.
15-2477 US2	Minor	2" of sediment in manhole.
16-995	Minor	1" of sediment on apron.
16-1205	Minor	1" of sediment on apron.
16-1207	Minor	1" of sediment in pipe and on apron.
16-1213	Minor	1" of sediment on apron.
16-1633	Minor	1" of sediment in pipe and on apron.

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



Figure 54 – Moderate deposition in inlet 06-1028 US1



Figure 55 – Minor deposition at outfall 06-1083



Figure 56 – Minor deposition at outfall 06-1132



Figure 57 – Moderate deposition at outfall 06-1601



Figure 58 – Moderate deposition at outfall 13-1098



Figure 59 – Minor deposition at outfall 13-1588



Figure 60 – Moderate deposition at outfall 13-1758



Figure 61 – Moderate deposition at outfall 14-670



Figure 62 – Moderate deposition at outfall 14-766



Figure 63 – Minor deposition at outfall 14-1007



Figure 64 – Moderate deposition at outfall 14-1514



Figure 65 – Minor deposition at outfall 15-2409



Figure 66 – Minor deposition at outfall 15.2477



Figure 67 – Minor deposition in manhole 15-2477 US2



Figure 68 – Minor deposition at outfall 16-995



Figure 69 – Minor deposition at outfall 16-1205



Figure 70 – Minor deposition at outfall 16-1207



Figure 71 – Minor deposition at outfall 16-1213



Figure 72 – Minor deposition at outfall 16-1633

Erosion

Two of the outfalls showed signs of erosion at the end of the outfall pipe or channel. Most of the outfalls with minor erosion could be repaired with minor landscaping repairs. Those outfalls with moderate or severe erosion may need additional structural reinforcement, such as turf reinforcement mat or riprap.

The erosion that was observed during the ongoing screening program is summarized in Table 15.

Table 15 – Outfalls with erosion

Outfall	Severity	Description
06-961	Minor	Scour hole / erosion downstream from pipe.
16-622	Moderate	Erosion downstream from pipe.

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



Figure 73 – Minor erosion downstream of outfall 06-961



Figure 74 – Moderate erosion downstream of outfall 16-622

Graffiti

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

The graffiti that was observed during the ongoing screening program is summarized in Table 16.

Table 16 – Outfalls with graffiti

Outfall	Severity	Description
12-569	Minor	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 75 – Graffiti near outfall 12-569

2018 ONGOING SCREENING PROGRAM

The 2017 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:

- 45 priority outfalls
- 79 non-priority major outfalls
- 304 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 2018 outfall screening program:

- 45 priority outfalls
- 15 non-priority major outfalls
- 31 non-priority non-major outfalls

In addition, the 7 non-priority outfalls that had potential or obvious illicit discharges will also be rescreened, bringing the 2018 total to 98 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 2017 ongoing screening of the MS4 outfalls, as required by the MS4 permit. A total of 101 outfalls were screened, along with upstream monitoring locations when necessary. Of those 101 outfalls, 76 exhibited unlikely potential of past illicit discharges, and 25 were classified as “potential.” These results are summarized in Figure 76:

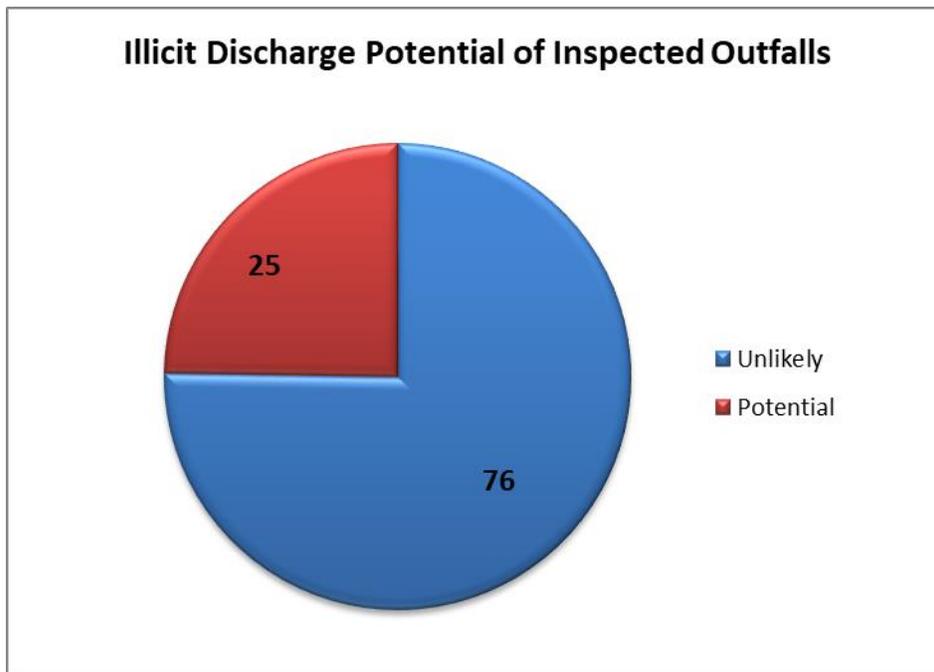


Figure 76 – Illicit discharge potential

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 17 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 2018 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.
5. Jet the storm sewer upstream of outfall 06-1371 to remove any accumulated gross solids (litter), and use updated storm sewer mapping to identify potential routes of entry for the solid waste.

The ongoing screening also identified 15 outfalls with structural damage, 19 with deposition, 2 with erosion, and one with graffiti. While none of these posed an immediate danger, the City may want to address these issues as part of the regular storm sewer system maintenance.

STANDARD OF CARE

The conclusions presented in this report were arrived at using generally accepted engineering practices. The conclusions presented herein represent our professional opinions, based on data collected at the time of the inspections, at the specific inspection locations discussed in this report. Conditions at other locations in the City or at different times may be different than described in this report. The scope of this report is limited to the specific project and the inspection locations described herein.

Prepared By:

Jason Weis, P.E.
Project Engineer

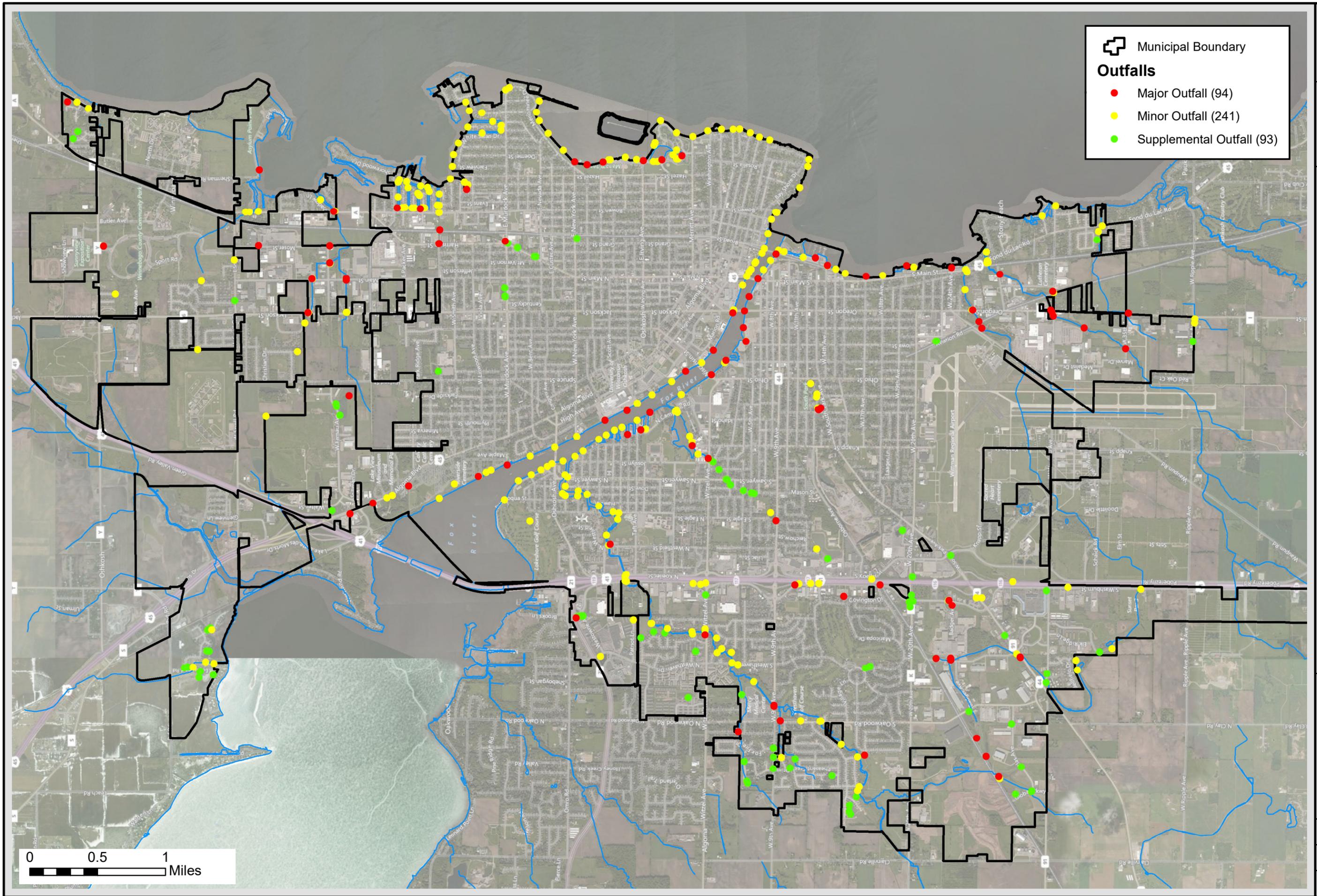
Reviewed By:

Brian D. Wayner, P.E.
Project Manager

Appendix A

MS4 Outfall Maps

- A-1 MS4 Outfall Map
- A-2 2017 Outfall Inspection Map



 Municipal Boundary
Outfalls
 Major Outfall (94)
 Minor Outfall (241)
 Supplemental Outfall (93)



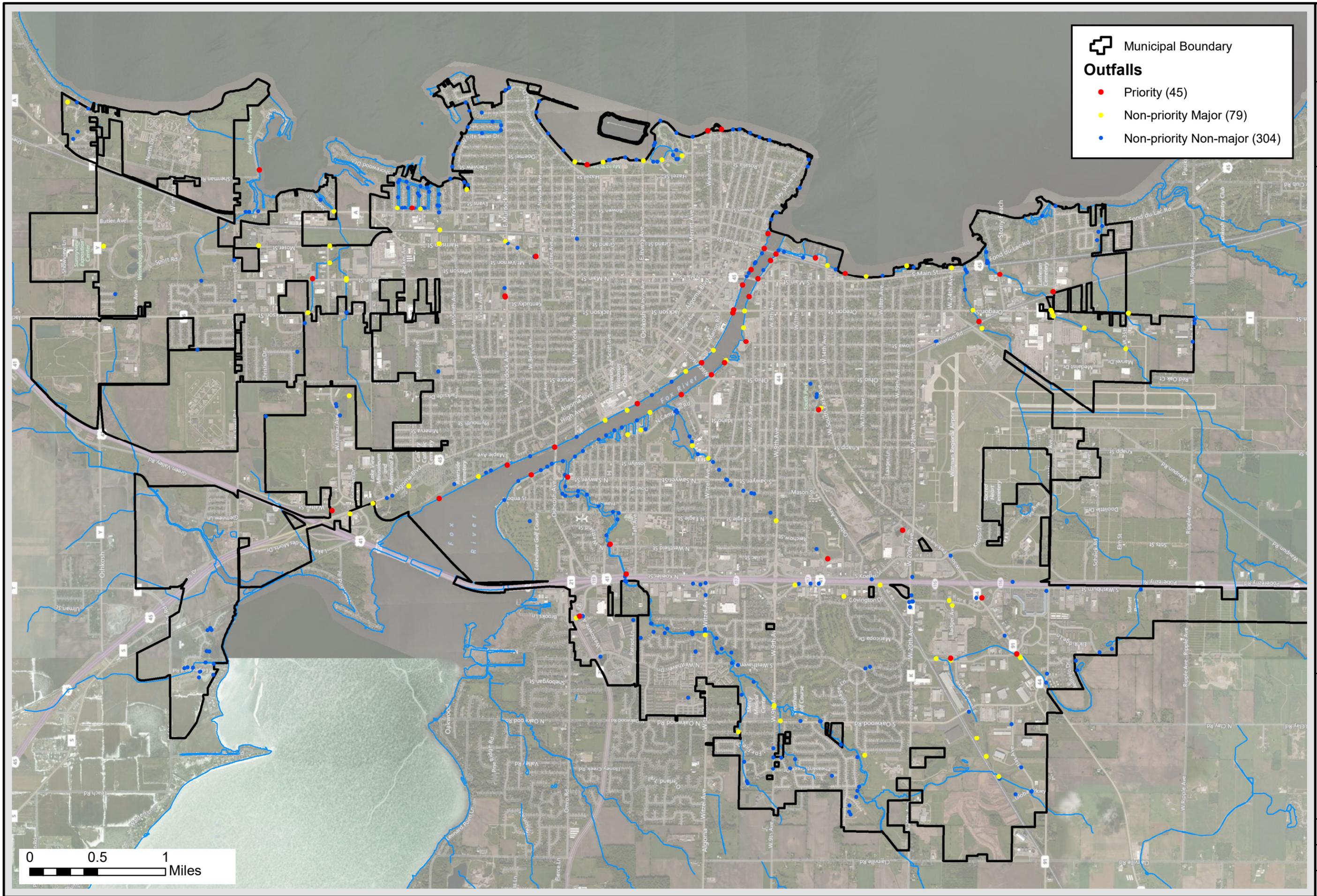
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 1/23/2018

2017 IDE ONGOING SCREENING PROGRAM
MS4 OUTFALL MAP - NR 216 CLASSIFICATION

CITY OF OSHKOSH
 WINNEBAGO COUNTY, WISCONSIN



SCALE:
 1" = 3,333'
 PROJECT NO.
N2029C17
 FIGURE NO.
A-1a



 Municipal Boundary
Outfalls
 Priority (45)
 Non-priority Major (79)
 Non-priority Non-major (304)



Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 1/23/2018



2017 IDE ONGOING SCREENING PROGRAM
MS4 OUTFALL MAP - PRIORITY STATUS

CITY OF OSHKOSH
 WINNEBAGO COUNTY, WISCONSIN



SCALE:
 1" = 3,333'
 PROJECT NO.
N2029C17
 FIGURE NO.
A-1b

F:\EM\I\O\ID\GIS\MS4Map_11x17_Oshkosh_Priority.mxd

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):



o20171017145058.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 472,017 Latitude: 44.01437
 Easting: 792,821 Longitude: -88.53869

Location Map



Inspection Date: 10/17/2017 2:54:15 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 35

Illicit Discharge Potential: Unlikely

Notes: Outfall inaccessible and partially submerged - screened upstream at 01-20 US1.



o20171017145018.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 3:53:25 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall not located and assumed submerged - screened upstream at 01-20 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20161018155158.JPG

2016

Inspection Date: 9/22/2015 1:39:24 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not located - screened at 01-20 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20150922124202.JPG

2015

Inspection Date: 8/26/2010 10:29:06 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not physically located. Outfall screened upstream at 01-20 US2.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



o20100826102034.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-20



o20171017145242.JPG



Outfall Notes:

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

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precision:

Not Physically Located

County Coordinates:

Northing: 472,036

Easting: 792,850

Latitude/Longitude:

Latitude: 44.01442

Longitude: -88.53858

Inspection Date: 10/17/2017 2:57:05 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 60

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171017145250.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-68

Time Collected: 14:54

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.52 units

Temperature (field): 67 °F

Conductivity (field): 1392 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 3:55:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Fully		Depth (in): 60																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"> </td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	0 ppm																	
pH:	8.36 units																	
Temperature:	66 °F																	
Conductivity:	365 µS/cm																	
Detergents:	0 mg/L																	
Floatables:	None																	
Odor:	None																	
Turbidity:	None																	
Color:	Faint in bottle																	
Gross Solids:	Moderate																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	None																	
Non-illicit:	None																	



o20161018155322.JPG

2016

Inspection Date: 9/22/2015 1:45:55 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Fully		Depth (in): 63																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"> </td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	0 ppm																	
pH:	8.8 units																	
Temperature:	77 °F																	
Conductivity:	338 µS/cm																	
Detergents:	0 mg/L																	
Floatables:	None																	
Odor:	None																	
Turbidity:	None																	
Color:	None																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	None																	
Non-illicit:	None																	



o20150922124656.JPG

2015

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):



o20171017150332.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: **Latitude/Longitude:**
 Northing: 472,359 Latitude: 44.01531
 Easting: 791,866 Longitude: -88.54232

Inspection Date: 10/17/2017 3:07:18 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 20

Illicit Discharge Potential: Unlikely

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



o20171017150356.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 3:28:46 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+										
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-weight: bold; color: orange; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161018152728.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>										
Submerged: Fully Depth (in):		Notes Outfall not located and assumed submerged - screened upstream at 01-35 US1.												
Sampling Results		Floatables:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Condition Assessment														
Graffiti:	None													
Erosion:	None													
Deposition:	None in.													
Damage:	None													
Sample Location:		Odor:	None											
Total Chlorine:	-- ppm	Turbidity:	None											
Free Chlorine:	-- ppm	Color:	None											
Ammonia:	-- ppm	Gross Solids:	None											
pH:	-- units	Vegetation:	None											
Temperature:	-- °F	Benthic Growth:	None											
Conductivity:	-- µS/cm	Stains:	None											
Detergents:	-- mg/L	Non-illicit:	None											

Inspection Date: 9/22/2015 1:55:35 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+										
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-weight: bold; color: orange; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20150922125816.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2015</p>										
Submerged: Fully Depth (in):		Notes Outfall under walkway and not physically located during this screening - screened at 01-35 US1.												
Sampling Results		Floatables:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Condition Assessment														
Graffiti:	None													
Erosion:	None													
Deposition:	None in.													
Damage:	None													
Sample Location:		Odor:	None											
Total Chlorine:	-- ppm	Turbidity:	None											
Free Chlorine:	-- ppm	Color:	None											
Ammonia:	-- ppm	Gross Solids:	None											
pH:	-- units	Vegetation:	None											
Temperature:	-- °F	Benthic Growth:	None											
Conductivity:	-- µS/cm	Stains:	None											
Detergents:	-- mg/L	Non-illicit:	None											

Inspection Date: 10/9/2014 8:27:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+										
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-weight: bold; color: orange; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20141009072648.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2014</p>										
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 01-35 US1.												
Sampling Results		Floatables:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Condition Assessment														
Graffiti:	None													
Erosion:	None													
Deposition:	None in.													
Damage:	None													
Sample Location:		Odor:	None											
Total Chlorine:	-- ppm	Turbidity:	None											
Free Chlorine:	-- ppm	Color:	None											
Ammonia:	-- ppm	Gross Solids:	None											
pH:	-- units	Vegetation:	None											
Temperature:	-- °F	Benthic Growth:	None											
Conductivity:	-- µS/cm	Stains:	None											
Detergents:	-- mg/L	Non-illicit:	None											

Inspection Date: 8/25/2010 12:28:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+										
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-weight: bold; color: orange; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20100825122350.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2010</p>										
Submerged: Partially Depth (in): 15		Notes Outfall partially submerged. Outfall screened upstream at 01-35 US1. Estimated submerged depth.												
Sampling Results		Floatables:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Condition Assessment														
Graffiti:	None													
Erosion:	None													
Deposition:	None 0 in.													
Damage:	None													
Sample Location:		Odor:	None											
Total Chlorine:	-- ppm	Turbidity:	None											
Free Chlorine:	-- ppm	Color:	None											
Ammonia:	-- ppm	Gross Solids:	None											
pH:	-- units	Vegetation:	None											
Temperature:	-- °F	Benthic Growth:	Moderate											
Conductivity:	-- µS/cm	Stains:	Slight											
Detergents:	-- mg/L	Non-illicit:	None											

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																						
Illicit Discharge Potential: Potential		Inspector: JCW	Notes <div style="border: 1px solid black; height: 80px; width: 100%;"></div>																																							
Submerged: Partially	Depth (in): 21																																									
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table style="width:100%;"> <tr> <td>Graffiti:</td> <td>None</td> <td></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table>		Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:	Floatables:	None																																								
Total Chlorine: -- ppm	Odor:	None																																								
Free Chlorine: -- ppm	Turbidity:	None																																								
Ammonia: -- ppm	Color:	None																																								
pH: -- units	Gross Solids:	None																																								
Temperature -- °F	Vegetation:	None																																								
Conductivity: -- µS/cm	Benthic Growth:	None																																								
Detergents: -- mg/L	Stains:	None																																								
	Non-illicit:	None																																								
Graffiti:	None																																									
Erosion:	None																																									
Deposition:	None	0 in.																																								
Damage:	None																																									
			 <p>Osh09_DSCN6709.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2009</p>																																							

Location Map



o20171017150642.JPG

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):

Outfall Notes:

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

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: 10/17/2017 3:11:42 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in outfall.



o20171017150646.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-59

Time Collected: 15:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.88 units

Temperature (field): 66 °F

Conductivity (field): 504 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 3:33:29 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 16

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	Faint in bottle
pH:	8.18 units	Gross Solids:	None
Temperature:	66 °F	Vegetation:	None
Conductivity:	380 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161018153008.JPG

2016

Inspection Date: 9/22/2015 1:59:06 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 17

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	8.43 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	337 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20150922130010.JPG

2015

Inspection Date: 10/9/2014 8:31:22 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 12

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	7.96 units	Gross Solids:	None
Temperature:	54 °F	Vegetation:	None
Conductivity:	413 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20141009073000.JPG

2014

Inspection Date: 8/25/2010 12:35:05 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 18

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	Faint in bottle
pH:	7.99 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20100825122544.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Abnormal detergent analysis result (bubbles)	
Submerged: Partially	Depth (in): 14			
Sampling Results			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.61 units	Gross Solids: None			
Temperature 78 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



Osh09_DSCN6712.JPG

2009

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171017152808.JPG

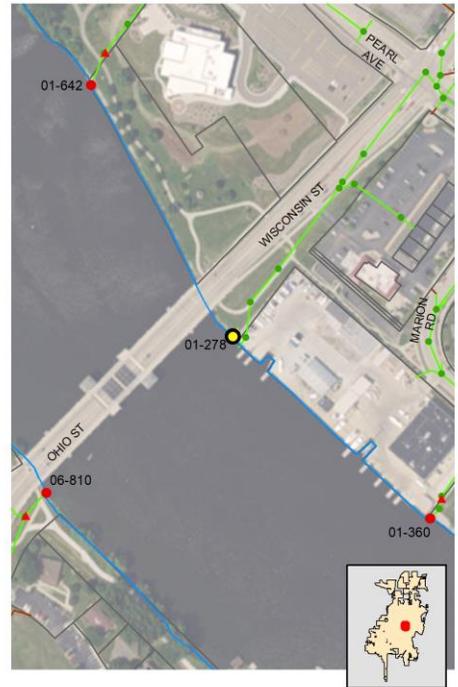
Outfall Notes:

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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 473,601 Latitude: 44.01871
Easting: 789,812 Longitude: -88.55013

Location Map



Inspection Date: 10/17/2017 3:31:11 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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

Floatables: 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



o20171017152814.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 3:17:25 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



2016

Inspection Date: 9/22/2015 2:31:24 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



2015

Inspection Date: 8/25/2010 1:23:51 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



2010

Inspection Date: 9/9/2009 **Type:** Initial **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

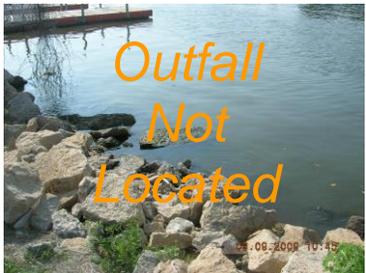
Sampling Results

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

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

Condition Assessment

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



2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-278

Dimensions

Diameter (in):

Height/Depth (in):

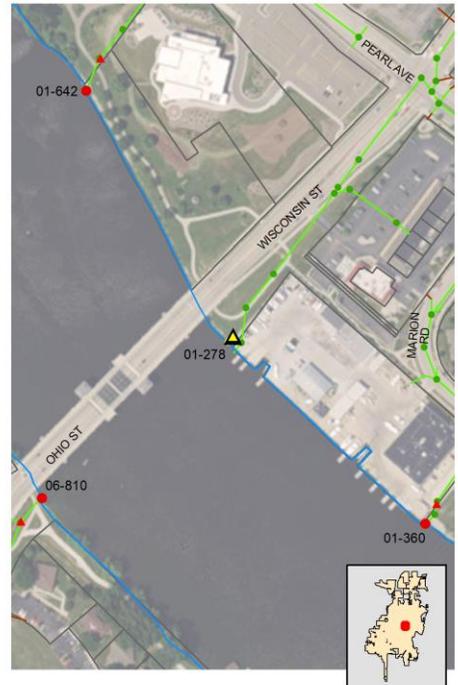
Width (in):



o20171017152916.JPG

Outfall Notes:

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



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: 10/17/2017 3:33:08 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 48

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171017152922.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-10
 Time Collected: 15:28
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.55 units
 Temperature (field): 66 °F
 Conductivity (field): 229 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 3:20:17 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 42

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.34 units	Gross Solids:	Slight
Temperature:	67 °F	Vegetation:	None
Conductivity:	978 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161018151736.JPG

2016

Inspection Date: 9/22/2015 2:34:48 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 47

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.76 units	Gross Solids:	None
Temperature:	75 °F	Vegetation:	None
Conductivity:	541 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20150922133640.JPG

2015

Inspection Date: 8/25/2010 1:26:55 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 52

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.6 units	Gross Solids:	None
Temperature:	72 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20100825131804.JPG

2010

Inspection Date: 9/9/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 48

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	7.81 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



Osh09_DSCN6706.JPG

2009

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):



o20171017151414.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.)

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 472,395 Latitude: 44.01541
 Easting: 791,740 Longitude: -88.54280

Location Map



Inspection Date: 10/17/2017 3:18:17 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 39

Illicit Discharge Potential: Potential

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



o20171017151448.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 3:38:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 33		
<i>Sampling Results</i>		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:	Severe		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20161018153652.JPG

2016

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



o20150922130830.JPG

2015

Inspection Date: 10/9/2014 8:38:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 56		
<i>Sampling Results</i>		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:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20141009073704.JPG

2014

Inspection Date: 9/5/2013 12:59:39 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 49		
<i>Sampling Results</i>		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:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130905120336.JPG

2013

Inspection Date: 9/27/2012 9:53:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall fully submerged; screened upstream at 01-520 US1.																																					
Submerged: Fully		Depth (in): 40	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
				 <p style="font-size: small;">09/27/2012 09:57 o20120927085734.JPG</p> <p style="font-size: large; font-weight: bold;">2012</p>																																				

Inspection Date: 6/21/2012 10:35:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Gross solids pre-screening. Outfall fully submerged; screened upstream at 01-520 US1.																																					
Submerged: Fully		Depth (in):	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
				 <p style="font-size: small;">06/21/2012 10:26 o20120621092646.JPG</p> <p style="font-size: large; font-weight: bold;">2012</p>																																				

Inspection Date: 10/11/2011 2:19:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 01-520 US1.																																					
Submerged: Fully		Depth (in):	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
				 <p style="font-size: small;">10/11/2011 14:20 o20111011142004.JPG</p> <p style="font-size: large; font-weight: bold;">2011</p>																																				

Inspection Date: 8/25/2010 12:43:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1.																																					
Submerged: Fully		Depth (in):	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td colspan="2">Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	None																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
				 <p style="font-size: small;">08/25/2010 12:37 o20100825123724.JPG</p> <p style="font-size: large; font-weight: bold;">2010</p>																																				

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																															
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> <p>Notes</p> <p>Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1.</p> </div>																																																
Submerged: Fully	Depth (in): 56																																																		
<div style="border: 1px solid black; padding: 5px;"> <p>Sampling Results</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td></td> <td style="width:50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div>		Sample Location:		Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <p>Condition Assessment</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> <td></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table> </div>		Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:		Floatables:	None																																																
Total Chlorine:	-- ppm	Odor:	None																																																
Free Chlorine:	-- ppm	Turbidity:	None																																																
Ammonia:	-- ppm	Color:	None																																																
pH:	-- units	Gross Solids:	None																																																
Temperature:	-- °F	Vegetation:	None																																																
Conductivity:	-- µS/cm	Benthic Growth:	None																																																
Detergents:	-- mg/L	Stains:	None																																																
		Non-illicit:	None																																																
Graffiti:	None																																																		
Erosion:	None																																																		
Deposition:	None	0 in.																																																	
Damage:	None																																																		
			 <p>Osh09_DSCN6715.JPG</p> <p style="font-size: 24pt; font-weight: bold; color: black;">2009</p>																																																

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):



o20171017151628.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: 10/17/2017 3:21:22 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 67

Illicit Discharge Potential: Potential

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



o20171017151640.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-34

Time Collected: 15:18

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): 896 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 3:42:40 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20161018153916.JPG	
Submerged: Fully		Depth (in): 67		Potential illicit discharge due to gross solids.			
Sampling Results		Floatables:		None		2016	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		Faint in bottle			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 8.16 units		Vegetation:		None			
Temperature 66 °F		Benthic Growth:		None			
Conductivity: 531 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			
		Condition Assessment		Graffiti: None			
				Erosion: None			
				Deposition: None			
				Damage: None			

Inspection Date: 9/22/2015 2:08:37 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20150922130946.JPG	
Submerged: Fully		Depth (in): 70		Floating gross solids (litter) in manhole.			
Sampling Results		Floatables:		None		2015	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 8.1 units		Vegetation:		None			
Temperature 76 °F		Benthic Growth:		None			
Conductivity: 917 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			
		Condition Assessment		Graffiti: None			
				Erosion: None			
				Deposition: None			
				Damage: None			

Inspection Date: 10/9/2014 8:42:09 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20141009073910.JPG	
Submerged: Fully		Depth (in): 64		Floating gross solids (litter) inside manhole.			
Sampling Results		Floatables:		None		2014	
Sample Location: Pool		Odor:		Faint			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 7.84 units		Vegetation:		None			
Temperature 57 °F		Benthic Growth:		Slight			
Conductivity: 1318 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			
		Condition Assessment		Graffiti: None			
				Erosion: None			
				Deposition: None			
				Damage: None			

Inspection Date: 9/5/2013 1:02:45 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20130905120924.JPG	
Submerged: Fully		Depth (in): 69		2012 screening follow-up. Significant gross solids in manhole - similar to previous years.			
Sampling Results		Floatables:		None		2013	
Sample Location: Pool		Odor:		None			
Total Chlorine: 0 ppm		Turbidity:		None			
Free Chlorine: 0 ppm		Color:		None			
Ammonia: 0 ppm		Gross Solids:		Severe			
pH: 8.51 units		Vegetation:		None			
Temperature 76 °F		Benthic Growth:		None			
Conductivity: 424 µS/cm		Stains:		None			
Detergents: 0 mg/L		Non-illicit:		None			
		Condition Assessment		Graffiti: None			
				Erosion: None			
				Deposition: None			
				Damage: None			

Inspection Date: 9/27/2012 9:57:25 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 69

Notes
2011 gross solids follow-up.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0.5 ppm	Color:	None
pH:	7.77 units	Gross Solids:	Severe
Temperature:	60 °F	Vegetation:	None
Conductivity:	542 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Slight
		Non-illicit:	None

Condition Assessment

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



o20120927085918.JPG

2012

Inspection Date: 6/21/2012 10:34:01 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 0-24

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 70

Notes
Gross solids pre-screening.

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	Severe
Temperature:	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	Moderate
		Non-illicit:	None

Condition Assessment

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



o20120621092424.JPG

2012

Inspection Date: 10/11/2011 2:24:37 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 64

Notes
2010 screening follow-up.
Floatable debris still present.

Sampling Results

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

Condition Assessment

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



o20111011142110.JPG

2011

Inspection Date: 5/26/2011 11:13:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Notes
Limited screening conducted to check for floatable debris.

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	
Free Chlorine:	-- ppm	Turbidity:	
Ammonia:	-- ppm	Color:	
pH:	-- units	Gross Solids:	Severe
Temperature:	-- °F	Vegetation:	
Conductivity:	-- µS/cm	Benthic Growth:	
Detergents:	-- mg/L	Stains:	
		Non-illicit:	None

Condition Assessment

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



o20110526111400.JPG

2011

Inspection Date: 8/25/2010 12:53:35 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <small>08.25.2010 12:47</small> o20100825124708.JPG 2010	
Submerged: Fully Depth (in): 72				Significant floatable debris in manhole.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None 0 in.	
Ammonia: 0 ppm		Color:	Faint in bottle	Damage:		None	
pH: 8.18 units		Gross Solids:	Severe				
Temperature 73 °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <small>09.09.2009 11:25</small> Osh09_DSCN6718.JPG 2009	
Submerged: Fully Depth (in): 61				Abnormal detergent analysis result (bubbles). Significant floatables in manhole. Brown color.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None 0 in.	
Ammonia: -- ppm		Color:	Clearly visible in bottl	Damage:		None	
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				

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



o20171017153938.JPG

Outfall Notes:

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

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 474,225 Latitude: 44.02042
Easting: 789,474 Longitude: -88.55142

Location Map



Inspection Date: 10/17/2017 3:42:25 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 61

Illicit Discharge Potential: Unlikely

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



o20171017153932.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 4:17:53 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 60		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	in.
		Damage:	None	



o20161010161508.JPG

2016

Inspection Date: 9/24/2015 11:22:55 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	in.
		Damage:	None	



o20150924102710.JPG

2015

Location Map

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):



o20171017154218.JPG

Outfall Notes:

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



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 474,305 Latitude: 44.02064

Easting: 789,510 Longitude: -88.55128

Inspection Date: 10/17/2017 3:46:13 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 60

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171017154228.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-96

Time Collected: 15:44

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.07 units

Temperature (field): 64 °F

Conductivity (field): 443 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/10/2016 4:18:29 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 59		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Potential illicit discharge due to gross solids.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.37 units	Gross Solids: Slight			
Temperature 68 °F	Vegetation: None			
Conductivity: 369 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Slight			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20161010161634.JPG

2016

Inspection Date: 9/24/2015 11:20:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 66		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Floating gross solids (litter) in manhole.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.61 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			
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20150924101848.JPG

2015

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



o20171017133940.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,714 Latitude: 44.01354
 Easting: 798,728 Longitude: -88.51624

Location Map



Inspection Date: 10/17/2017 1:41:46 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171017133948.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 10:29:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161010102916.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 02-309 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/22/2015 7:50:13 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20150922065432.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2015</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located - screened upstream at 02-309 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 10/3/2011 9:44:34 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20111003094448.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2011</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 5/10/2011 8:25:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20110510082548.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2011</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 02-309 US1.		
Sampling Results		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:	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:

02-309



o20171017134056.JPG

Outfall Notes:

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

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

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: 10/17/2017 1:45:07 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 31

Illicit Discharge Potential: Potential

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



o20171017134106.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-97
 Time Collected: 13:41
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.74 units
 Temperature (field): 69 °F
 Conductivity (field): 644 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 10:35:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 28				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.54 units Temperature: 64 °F Conductivity: 592 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010103236.JPG 2016

Inspection Date: 9/22/2015 7:50:50 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 28				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.74 units Temperature: 66 °F Conductivity: 853 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150922065636.JPG 2015

Inspection Date: 10/3/2011 9:47:42 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Fully Depth (in): 32				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.71 units Temperature: 60 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111003094830.JPG 2011

Inspection Date: 5/10/2011 8:27:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Limited screening conducted for upstream manhole prescreening.
Submerged: Fully Depth (in):				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: Turbidity: Color: Gross Solids: Slight Vegetation: Benthic Growth: Stains: Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20110510082708.JPG 2011

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Arch

Material:
CMP

City ID:
N/A

Dimensions	
Diameter (in):	
Height/Depth (in):	24
Width (in):	35



o20171017133018.JPG

Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 472,832 Latitude: 44.01661
 Easting: 798,869 Longitude: -88.51570

Location Map



Inspection Date: 10/17/2017 1:32:28 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171017133026.JPG

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

2017

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 <input type="checkbox"/> Displacement <input type="checkbox"/> Undercut <input type="checkbox"/> Crushed
	<input type="checkbox"/> Corrosion <input type="checkbox"/> Cracks/Structural Damage

Inspection Date: 10/10/2016 10:53:43 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20161010105240.JPG

2016

Inspection Date: 9/22/2015 7:14:30 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20150922061856.JPG

2015

Inspection Date: 10/9/2014 12:37:08 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20141009113806.JPG

2014

Inspection Date: 9/27/2012 8:29:10 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes: Outfall fully submerged; screened upstream at 02-357 US1.

Condition Assessment

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



o20120927073330.JPG

2012

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



o20120620070830.JPG

2012

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



o20111003102714.JPG

2011

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



o20110510085116.JPG

2011

Location Map



o20171017133056.JPG

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):

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: Latitude/Longitude:

Northing: 472,861 Latitude: 44.01669

Easting: 798,850 Longitude: -88.51577

Inspection Date: 10/17/2017 1:35:20 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 39

Illicit Discharge Potential: Potential

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



o20171017133104.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-40

Time Collected: 15:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.57 units

Temperature (field): 67 °F

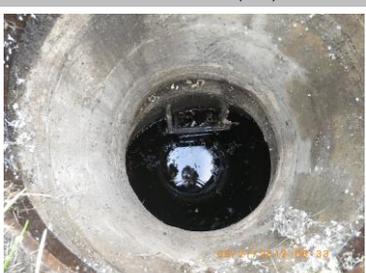
Conductivity (field): 537 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/10/2016 10:57:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully		Depth (in): 37		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.54 units Temperature: 65 °F Conductivity: 654 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010105436.JPG 2016

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

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

Inspection Date: 9/27/2012 8:31:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2011 gross solids follow-up.
Submerged: Fully		Depth (in): 36		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.73 units Temperature: 60 °F Conductivity: 518 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20120927073352.JPG 2012

Inspection Date: 6/20/2012 8:08:37 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Gross solids pre-screening.	
Submerged: Fully	Depth (in): 43			
Sampling Results		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:		Odor: None		
Total Chlorine: -- ppm		Turbidity: None		
Free Chlorine: -- ppm		Color: None		
Ammonia: -- ppm		Gross Solids: Moderate		
pH: -- units		Vegetation: None		
Temperature -- °F		Benthic Growth: Slight		
Conductivity: -- µS/cm		Stains: None		
Detergents: -- mg/L		Non-illicit: None		



o20120620070908.JPG

2012

Inspection Date: 10/3/2011 10:30:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Significant floatable debris in manhole.	
Submerged: Fully	Depth (in): 39			
Sampling Results		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor: None		
Total Chlorine: 0 ppm		Turbidity: None		
Free Chlorine: 0 ppm		Color: None		
Ammonia: 0 ppm		Gross Solids: Severe		
pH: 7.1 units		Vegetation: None		
Temperature 61 °F		Benthic Growth: None		
Conductivity: -- µS/cm		Stains: None		
Detergents: 0 mg/L		Non-illicit: None		



o20111003103104.JPG

2011

Inspection Date: 5/10/2011 8:51:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted for upstream manhole prescreening.	
Submerged: Fully	Depth (in):			
Sampling Results		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids: Severe		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit: None		



o20110510085154.JPG

2011

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



o20171018151940.JPG

Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,751 Latitude: 44.01364
 Easting: 792,375 Longitude: -88.54039

Location Map



Inspection Date: 10/18/2017 3:22:08 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171018151946.JPG

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

2017

Sampling Results

Sample Location:
 Sample ID:
 Time Collected:
 Total Chlorine (field): -- ppm
 Free Chlorine (field): -- ppm
 Ammonia (field): -- ppm
 pH (field): -- units
 Temperature (field): -- °F
 Conductivity (field): -- µS/cm
 Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

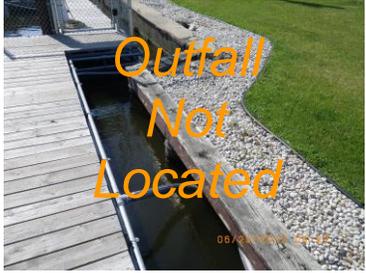
Inspection Date: 10/18/2016 4:04:35 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161018160304.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall not located and assumed submerged - screened upstream at 03-22 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/23/2015 7:47:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20150923065132.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2015</p>
Submerged: Fully Depth (in):		Notes Significant sinking above suspected pipe. Outfall not located - screened at 03-22 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Severe
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 10/9/2014 9:47:52 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20141009084834.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2014</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 03-22 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 7/31/2013 12:40:04 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20130731114434.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2013</p>
Submerged: Fully Depth (in):		Notes 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/27/2012 9:26:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall fully submerged; screened upstream at 03-22 US1.	
Submerged: Fully	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None	
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	 o20120927082846.JPG 2012	

Inspection Date: 6/20/2012 9:22:09 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Gross solids pre-screening.	
Submerged: Fully	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None	
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	 o20120620082248.JPG 2012	

Inspection Date: 10/11/2011 9:03:10 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
Submerged: Fully	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None	
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	 o20111011090250.JPG 2011	

Inspection Date: 8/18/2010 10:26:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
Submerged: Fully	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None	
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	 o20100818101918.JPG 2010	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																						
Illicit Discharge Potential: Potential		Inspector: JCW	Notes 																																							
Submerged: Fully	Depth (in):																																									
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table style="width:100%;"> <tr> <td>Graffiti:</td> <td>None</td> <td></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table>		Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:	Floatables:	None																																								
Total Chlorine: -- ppm	Odor:	None																																								
Free Chlorine: -- ppm	Turbidity:	None																																								
Ammonia: -- ppm	Color:	None																																								
pH: -- units	Gross Solids:	None																																								
Temperature -- °F	Vegetation:	None																																								
Conductivity: -- µS/cm	Benthic Growth:	None																																								
Detergents: -- mg/L	Stains:	None																																								
	Non-illicit:	None																																								
Graffiti:	None																																									
Erosion:	None																																									
Deposition:	None	0 in.																																								
Damage:	None																																									
			 <p>Osh09_DSCN6765.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2009</p>																																							

Inspection Date: 10/18/2016 4:06:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 44				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.15 units Temperature: 66 °F Conductivity: 403 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161018160430.JPG <h2 style="margin: 0;">2016</h2>

Inspection Date: 9/23/2015 7:51:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 46				
Sampling Results 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		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923065324.JPG <h2 style="margin: 0;">2015</h2>

Inspection Date: 10/9/2014 9:52:24 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floatable litter in catchbasin.
Submerged: Fully Depth (in): 40				
Sampling Results 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		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20141009085040.JPG <h2 style="margin: 0;">2014</h2>

Inspection Date: 7/31/2013 12:42:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2012 screening follow-up. Significant gross solids - similar to previous years.
Submerged: Fully Depth (in): 44				
Sampling Results 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		Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20130731114610.JPG <h2 style="margin: 0;">2013</h2>

Inspection Date: 9/27/2012 9:27:45 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2011 gross solids follow-up.																																					
Submerged: Fully		Depth (in): 39	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Sampling Results</th> <th>Floatables:</th> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>8.32 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>59 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>398 µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Severe	pH:	8.32 units	Vegetation:	None	Temperature:	59 °F	Benthic Growth:	None	Conductivity:	398 µS/cm	Stains:	None	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	0 ppm	Gross Solids:	Severe																																					
pH:	8.32 units	Vegetation:	None																																					
Temperature:	59 °F	Benthic Growth:	None																																					
Conductivity:	398 µS/cm	Stains:	None																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
			 o20120927082922.JPG 2012																																					

Inspection Date: 6/20/2012 9:24:19 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Gross solids pre-screening.																																					
Submerged: Fully		Depth (in): 46	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Sampling Results</th> <th>Floatables:</th> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	Severe	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:		Odor:	None																																					
Total Chlorine:	-- ppm	Turbidity:	None																																					
Free Chlorine:	-- ppm	Color:	None																																					
Ammonia:	-- ppm	Gross Solids:	Severe																																					
pH:	-- units	Vegetation:	None																																					
Temperature:	-- °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			 o20120620082508.JPG 2012																																					

Inspection Date: 10/11/2011 9:05:50 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2010 screening follow-up. No significant change in volume of floatable debris.																																					
Submerged: Fully		Depth (in): 37	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Sampling Results</th> <th>Floatables:</th> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>pH:</td> <td>8.13 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Moderate	pH:	8.13 units	Vegetation:	None	Temperature:	70 °F	Benthic Growth:	None	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	0 ppm	Gross Solids:	Moderate																																					
pH:	8.13 units	Vegetation:	None																																					
Temperature:	70 °F	Benthic Growth:	None																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			 o20111011090446.JPG 2011																																					

Inspection Date: 5/26/2011 11:19:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Limited screening conducted to check for floatable debris.																																					
Submerged: Fully		Depth (in):	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Sampling Results</th> <th>Floatables:</th> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td></td> <td>Odor:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td></td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td></td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td></td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Benthic Growth:</td> <td></td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td></td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:		Total Chlorine:	-- ppm	Turbidity:		Free Chlorine:	-- ppm	Color:		Ammonia:	-- ppm	Gross Solids:	Moderate	pH:	-- units	Vegetation:		Temperature:	-- °F	Benthic Growth:		Conductivity:	-- µS/cm	Stains:		Detergents:	-- mg/L	Non-illicit:	None
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Temperature:	-- °F	Benthic Growth:																																						
Conductivity:	-- µS/cm	Stains:																																						
Detergents:	-- mg/L	Non-illicit:	None																																					
			 o20110526111930.JPG 2011																																					

Inspection Date: 8/18/2010 10:29:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Severe floatable debris in catchbasin.	
Submerged: Fully		Depth (in): 44	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 units Temperature: 76 °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: None Non-illicit: None	 o20100818102410.JPG 2010	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Abnormal detergent analysis result (bubbles). Significant floatables in manhole.	
Submerged: Fully		Depth (in): 44	Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- 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	 Osh09_DSCN6768.JPG 2009	

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 30
Height/Depth (in):
Width (in):



o20171018150842.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: **Latitude/Longitude:**
Northing: 471,413 Latitude: 44.01271
Easting: 793,066 Longitude: -88.53776

Inspection Date: 10/18/2017 3:15:43 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171018150844.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 9:52:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="font-size: small;">o20161010094930.JPG</p> <p style="font-size: x-large; font-weight: bold;">2016</p>																																			
Submerged: Fully		Depth (in):																																					
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Turbidity:	None																																						
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Gross Solids:	None																																						
Vegetation:	None																																						
Benthic Growth:	None																																						
Stains:	None																																						
Non-illicit:	None																																						
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<i>Condition Assessment</i>																																							
Graffiti:	None																																						
Erosion:	None																																						
Deposition:	None in.																																						
Damage:	None																																						

Inspection Date: 9/23/2015 7:34:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="font-size: small;">o20150923063720.JPG</p> <p style="font-size: x-large; font-weight: bold;">2015</p>																																			
Submerged: Fully		Depth (in):																																					
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Turbidity:	None																																						
Color:	None																																						
Gross Solids:	None																																						
Vegetation:	None																																						
Benthic Growth:	None																																						
Stains:	None																																						
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<i>Condition Assessment</i>																																							
Graffiti:	None																																						
Erosion:	None																																						
Deposition:	None in.																																						
Damage:	None																																						

Inspection Date: 10/9/2014 10:33:07 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="font-size: small;">o20141009093222.JPG</p> <p style="font-size: x-large; font-weight: bold;">2014</p>																																			
Submerged: Fully		Depth (in):																																					
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Turbidity:	None																																						
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Gross Solids:	None																																						
Vegetation:	None																																						
Benthic Growth:	None																																						
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<i>Condition Assessment</i>																																							
Graffiti:	None																																						
Erosion:	None																																						
Deposition:	None in.																																						
Damage:	None																																						

Inspection Date: 7/31/2013 12:30:28 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="font-size: small;">o20130731113304.JPG</p> <p style="font-size: x-large; font-weight: bold;">2013</p>																																			
Submerged: Fully		Depth (in):																																					
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Total Chlorine:	-- ppm																																						
Free Chlorine:	-- ppm																																						
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Turbidity:	None																																						
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Gross Solids:	None																																						
Vegetation:	None																																						
Benthic Growth:	None																																						
Stains:	None																																						
Non-illicit:	None																																						
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<i>Notes</i>																																							
2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-35 US1. Gross solids in upstream mh.																																							
<i>Condition Assessment</i>																																							
Graffiti:	None																																						
Erosion:	None																																						
Deposition:	None in.																																						
Damage:	None																																						

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

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

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

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

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.		 <p style="text-align: center;">Osh09_DSCN6761.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>	
Submerged: Fully		Depth (in):					
Sampling Results				Condition Assessment			
Sample Location:		Floatables:	None	Graffiti:		None	
Total Chlorine: -- ppm		Odor:	None	Erosion:		None	
Free Chlorine: -- ppm		Turbidity:	None	Deposition:		None 0 in.	
Ammonia: -- ppm		Color:	None	Damage:		None	
pH: -- units		Gross Solids:	None				
Temperature: -- °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: -- mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 10/10/2016 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully		Depth (in): 32		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.54 units Temperature: 63 °F Conductivity: 391 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010094958.JPG <h2 style="margin: 0;">2016</h2>

Inspection Date: 9/23/2015 7:36:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully		Depth (in): 30		
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
				 o20150923063950.JPG <h2 style="margin: 0;">2015</h2>

Inspection Date: 10/9/2014 10:35:52 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Vegetative debris in photo from opening lid.
Submerged: Fully		Depth (in): 32		
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
				 o20141009093356.JPG <h2 style="margin: 0;">2014</h2>

Inspection Date: 7/31/2013 12:31:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes 2012 screening follow-up. Significant gross solids. Similar to previous years.
Submerged: Fully		Depth (in): 33		
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20130731113346.JPG <h2 style="margin: 0;">2013</h2>

Inspection Date: 9/27/2012 9:13:54 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2011 gross solids follow-up.																																													
Submerged: Fully	Depth (in): 31		Condition Assessment																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sampling Results</td></tr> <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>8.42 units</td></tr> <tr><td>Temperature:</td><td>59 °F</td></tr> <tr><td>Conductivity:</td><td>723 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sampling Results		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 3 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	Minor 3 in.	Damage:	None
Sampling Results																																																
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Odor:	None																																															
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Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	Minor 3 in.																																															
Damage:	None																																															
		 <p style="text-align: center;">o20120927081522.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2012</p>																																														

Inspection Date: 6/20/2012 9:08:12 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Gross solids pre-screening.																																													
Submerged: Fully	Depth (in): 39		Condition Assessment																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sampling Results</td></tr> <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>		Sampling Results		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Sampling Results																																																
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Total Chlorine:	-- ppm																																															
Free Chlorine:	-- ppm																																															
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pH:	-- units																																															
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Detergents:	-- mg/L																																															
Floatables:	None																																															
Odor:	None																																															
Turbidity:	None																																															
Color:	None																																															
Gross Solids:	Severe																																															
Vegetation:	None																																															
Benthic Growth:	None																																															
Stains:	None																																															
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None in.																																															
Damage:	None																																															
		 <p style="text-align: center;">o20120620080918.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2012</p>																																														

Inspection Date: 10/11/2011 9:29:50 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: 2010 screening follow-up. Floatable debris still present. Slight petroleum sheen.																																													
Submerged: Fully	Depth (in): 19		Condition Assessment																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sampling Results</td></tr> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.01 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sampling Results		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.01 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Severe</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	Severe	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sampling Results																																																
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Floatables:	Severe																																															
Odor:	None																																															
Turbidity:	None																																															
Color:	None																																															
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Vegetation:	None																																															
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Stains:	None																																															
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	None																																															
		 <p style="text-align: center;">o20111011092832.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																														

Inspection Date: 5/26/2011 11:23:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Limited screening conducted to check for floatable debris.																																													
Submerged: Fully	Depth (in):		Condition Assessment																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sampling Results</td></tr> <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>		Sampling Results		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td></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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Sampling Results																																																
Sample Location:																																																
Total Chlorine:	-- ppm																																															
Free Chlorine:	-- ppm																																															
Ammonia:	-- ppm																																															
pH:	-- units																																															
Temperature:	-- °F																																															
Conductivity:	-- µS/cm																																															
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Floatables:	None																																															
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Benthic Growth:																																																
Stains:																																																
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	None																																															
		 <p style="text-align: center;">o20110526112400.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>																																														

Inspection Date: 8/18/2010 9:32:06 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <small>o20100818092304.JPG</small> 2010	
Submerged: Fully Depth (in): 34				Severe floatable debris in catchbasin.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	Faint	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None 0 in.	
Ammonia: 0.5 ppm		Color:	Faint in bottle	Damage:		None	
pH: 7.46 units		Gross Solids:	Severe				
Temperature 73 °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <small>Osh09_DSCN6763.JPG</small> 2009	
Submerged: Fully Depth (in): 33				Abnormal detergent analysis result (bubbles). Significant floatables in manhole.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None 0 in.	
Ammonia: -- ppm		Color:	None	Damage:		None	
pH: 8.23 units		Gross Solids:	Severe				
Temperature 73 °F		Vegetation:	None				
Conductivity: -- µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

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):

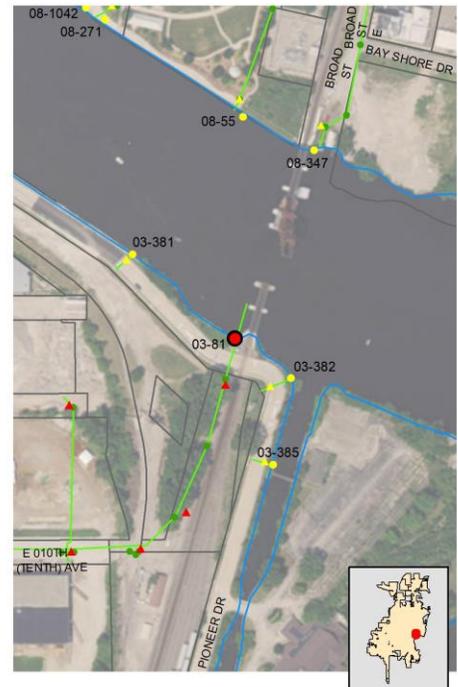


o20171018144744.JPG

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: **Latitude/Longitude:**
Northing: 470,711 Latitude: 44.01079
Easting: 794,023 Longitude: -88.53412

Inspection Date: 10/18/2017 2:50:50 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-81 US1. Ammonia, detergent and sheen in upstream manhole.



o20171018144750.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 8:59:12 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



o20161010085808.JPG

2016

Inspection Date: 9/23/2015 7:10:20 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



o20150923061430.JPG

2015

Inspection Date: 10/9/2014 10:00:10 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Obvious** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



o20141009090032.JPG

2014

Inspection Date: 10/11/2011 9:42:33 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes: 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.

Condition Assessment:

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



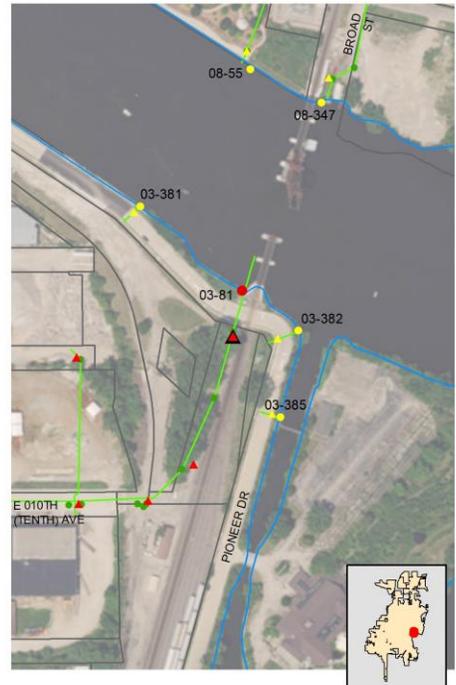
o20111011094236.JPG

2011

Inspection Date: 8/18/2010 8:38:23 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.																																													
Submerged: Fully		Depth (in):	Condition Assessment																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
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Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	None																																															
			 <p style="text-align: center;">o20100818083116.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>																																													

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes: Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.																																													
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Conductivity:	-- µS/cm																																															
Detergents:	-- mg/L																																															
Floatables:	None																																															
Odor:	None																																															
Turbidity:	None																																															
Color:	None																																															
Gross Solids:	None																																															
Vegetation:	None																																															
Benthic Growth:	None																																															
Stains:	None																																															
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	None																																															
			 <p style="text-align: center;">Osh09_DSCN6745.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																													

Location Map



o20171018145006.JPG

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):

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: Latitude/Longitude:

Northing: 470,599 Latitude: 44.01048

Easting: 793,998 Longitude: -88.53421

Inspection Date: 10/18/2017 2:55:07 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 50

Illicit Discharge Potential: Potential

Notes: Elevated ammonia and detergent in sample from manhole pool. Slight sheen observed on surface.

Floatables: Moderate 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



o20171018145016.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-79
 Time Collected: 14:50
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 1 ppm
 pH (field): 7.22 units
 Temperature (field): 66 °F
 Conductivity (field): 1020 µS/cm
 Detergents: 0.8 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 9:04:32 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids and petroleum odor and sheen and elevated ammonia.
Submerged: Fully Depth (in): 46				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 1 ppm pH: 7.41 units Temperature: 63 °F Conductivity: 565 µS/cm Detergents: 0 mg/L		Floatables: Moderate Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010090136.JPG 2016

Inspection Date: 9/23/2015 7:16:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Fully Depth (in): 52				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 1 ppm pH: 7.32 units Temperature: 69 °F Conductivity: 638 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923061754.JPG 2015

Inspection Date: 10/9/2014 10:07:49 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		Notes Petroleum odor and sheen on surface.
Submerged: Fully Depth (in): 44				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.58 units Temperature: 58 °F Conductivity: 679 µS/cm Detergents: 0 mg/L		Floatables: Moderate Odor: Faint Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None	
				 o20141009090404.JPG 2014

Inspection Date: 10/11/2011 9:46:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully Depth (in): 38				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.25 ppm pH: 7.68 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011094434.JPG 2011

Inspection Date: 5/26/2011 11:29:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes: Limited screening conducted to check for floatable debris.			
Submerged: Fully		Depth (in):	 <p style="text-align: center;">o20110526112952.JPG</p> <h2 style="text-align: center;">2011</h2>			
Sampling Results		Floatables:			Condition Assessment	
Sample Location:		Odor:			Graffiti: None	
Total Chlorine: -- ppm		Turbidity:			Erosion: None	
Free Chlorine: -- ppm		Color:			Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids: Slight			Damage: None	
pH: -- units		Vegetation:				
Temperature -- °F		Benthic Growth:				
Conductivity: -- µS/cm		Stains:				
Detergents: -- mg/L		Non-illicit: None				

Inspection Date: 8/18/2010 8:43:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Petroleum odor likely from residual petroleum in pipes after 2009 jetting.			
Submerged: Fully		Depth (in): 47	 <p style="text-align: center;">o20100818083958.JPG</p> <h2 style="text-align: center;">2010</h2>			
Sampling Results		Floatables:			Condition Assessment	
Sample Location: Pool		Odor: Faint			Graffiti: None	
Total Chlorine: 0 ppm		Turbidity: None			Erosion: None	
Free Chlorine: 0 ppm		Color: None			Deposition: None 0 in.	
Ammonia: 0 ppm		Gross Solids: Moderate			Damage: None	
pH: 6.63 units		Vegetation: None				
Temperature 71 °F		Benthic Growth: None				
Conductivity: -- µS/cm		Stains: Moderate				
Detergents: 0 mg/L		Non-illicit: None				

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes: Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.			
Submerged: Fully		Depth (in): 44	 <p style="text-align: center;">Osh09_DSCN6747.JPG</p> <h2 style="text-align: center;">2009</h2>			
Sampling Results		Floatables: Severe			Condition Assessment	
Sample Location: Pool		Odor: Easily detected			Graffiti: None	
Total Chlorine: 0 ppm		Turbidity: None			Erosion: None	
Free Chlorine: 0 ppm		Color: Faint in bottle			Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids: Severe			Damage: None	
pH: 6.98 units		Vegetation: None				
Temperature 73 °F		Benthic Growth: None				
Conductivity: -- µS/cm		Stains: None				
Detergents: 0 mg/L		Non-illicit: None				

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: **Latitude/Longitude:**
Northing: 469,179 Latitude: 44.00659
Easting: 793,881 Longitude: -88.53466

Inspection Date: 10/18/2017 2:44:53 PM		Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+	
Flow Description: Submerged (not located)		Notes: Outfall fully submerged and not located - screened upstream at 03-119 US1.		<p style="font-size: 2em; color: orange;">Outfall Not Located</p> <p style="font-weight: bold; color: black;">Photo Not Available</p> <p style="font-size: 1.5em; font-weight: bold; color: black;">2017</p>	
Submerged: Fully Depth (in):					
Illicit Discharge Potential: Unlikely					
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage		<input type="checkbox"/> Algae
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
Turbidity: <input type="text" value="None"/>	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Color: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
Physical Condition Assessment					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			
Sampling Results Sample Location: Sample ID: Time Collected: Total Chlorine (field): -- ppm Free Chlorine (field): -- ppm Ammonia (field): -- ppm pH (field): -- units Temperature (field): -- °F Conductivity (field): -- µS/cm Detergents: -- mg/L					

Inspection Date: 10/10/2016 8:46:57 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



2016

Inspection Date: 9/23/2015 7:00:50 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



2015

Inspection Date: 8/18/2010 7:32:47 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



2010

Inspection Date: 9/9/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes:

Condition Assessment:

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



2009

Location Map



o20171018143940.JPG

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):

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: Latitude/Longitude:

Northing: 469,098 Latitude: 44.00637

Easting: 793,672 Longitude: -88.53545

Inspection Date: 10/18/2017 2:45:31 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 27

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018144002.JPG

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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-83
 Time Collected: 14:40
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.18 units
 Temperature (field): 67 °F
 Conductivity (field): 774 µS/cm
 Detergents: 0 mg/L

Inspection Date: 10/10/2016 8:50:36 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 25

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	6.98 units	Gross Solids:	None
Temperature:	63 °F	Vegetation:	None
Conductivity:	781 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	Slight

Notes

Condition Assessment

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



o20161010084816.JPG

2016

Inspection Date: 9/23/2015 7:05:01 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 29

Sampling Results

Sample Location:	Pool	Floatables:	None
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

Notes

Condition Assessment

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



o20150923060646.JPG

2015

Inspection Date: 8/18/2010 7:36:59 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 29

Sampling Results

Sample Location:	Pool	Floatables:	Slight
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

Notes

Condition Assessment

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



o20100818072942.JPG

2010

Inspection Date: 9/9/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 27

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	7.87 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



Osh09_DSCN6743.JPG

2009

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20171018142340.JPG

Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 468,018 Latitude: 44.00340
 Easting: 793,278 Longitude: -88.53695

Location Map



Inspection Date: 10/18/2017 2:27:05 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 03-173 US2. Floating gross solids (litter) in manhole.



o20171018142348.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 8/17/2010 2:04:29 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																															
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> <p>Notes</p> <p>Outfall fully submerged and not physically located. Outfall screened upstream at 03-173 US2.</p> </div>																																																
Submerged: Fully	Depth (in):																																																		
<div style="border: 1px solid black; padding: 5px;"> <p>Sampling Results</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td></td> <td style="width:50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table> </div>		Sample Location:		Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> <p>Condition Assessment</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> <td></td> </tr> <tr> <td>Erosion:</td> <td>None</td> <td></td> </tr> <tr> <td>Deposition:</td> <td>None</td> <td>0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> <td></td> </tr> </table> </div>		Graffiti:	None		Erosion:	None		Deposition:	None	0 in.	Damage:	None	
Sample Location:		Floatables:	None																																																
Total Chlorine:	-- ppm	Odor:	None																																																
Free Chlorine:	-- ppm	Turbidity:	None																																																
Ammonia:	-- ppm	Color:	None																																																
pH:	-- units	Gross Solids:	None																																																
Temperature:	-- °F	Vegetation:	None																																																
Conductivity:	-- µS/cm	Benthic Growth:	None																																																
Detergents:	-- mg/L	Stains:	None																																																
		Non-illicit:	None																																																
Graffiti:	None																																																		
Erosion:	None																																																		
Deposition:	None	0 in.																																																	
Damage:	None																																																		
			 <p style="font-size: small;">o20100817135838.JPG</p> <p style="font-size: large; font-weight: bold; color: orange;">Outfall Not Located</p>																																																
			2010																																																

Inspection Date: 10/10/2016 8:30:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 40				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.56 units Temperature: 62 °F Conductivity: 422 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010082808.JPG <h2 style="margin: 0;">2016</h2>

Inspection Date: 9/23/2015 6:51:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) - including 5 baseballs - in manhole.
Submerged: Fully Depth (in): 42				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.19 units Temperature: 68 °F Conductivity: 476 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923054948.JPG <h2 style="margin: 0;">2015</h2>

Inspection Date: 10/7/2014 1:52:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 38				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.73 units Temperature: -- °F Conductivity: 401 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20141007125104.JPG <h2 style="margin: 0;">2014</h2>

Inspection Date: 10/11/2011 10:04:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully Depth (in): 39				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.39 units Temperature: 70 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011100336.JPG <h2 style="margin: 0;">2011</h2>

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



o20110526113426.JPG

2011

Inspection Date: 8/17/2010 2:11:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Floatable debris in manhole.	
Submerged: Fully	Depth (in): 42			
Sampling Results Sample Location: Pool		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm		Odor: None		
Free Chlorine: 0 ppm		Turbidity: None		
Ammonia: 0 ppm		Color: None		
pH: 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

2010

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 10

Height/Depth (in):

Width (in):



o20171018150102.JPG

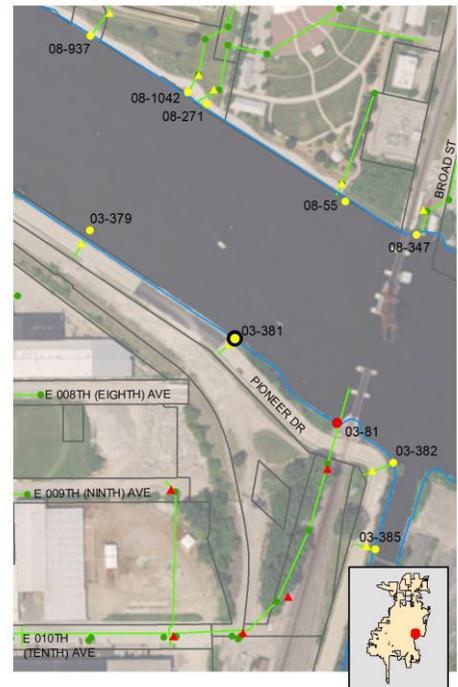
Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 470,924 Latitude: 44.01137
 Easting: 793,775 Longitude: -88.53506

Location Map



Inspection Date: 10/18/2017 3:02:59 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171018150108.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 9:18:11 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center;">o20161010091656.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 03-381 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

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

Inspection Date: 10/9/2014 10:22:12 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center;">o20141009092246.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2014</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 03-381 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 10/11/2011 9:56:37 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center;">o20111011095540.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2011</p>
Submerged: Fully Depth (in):		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 8/18/2010 8:59:26 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.	
Sampling Results		Floatables: None	Condition Assessment	
Sample Location:		Odor: None	Graffiti: None	
Total Chlorine: -- ppm		Turbidity: None	Erosion: None	
Free Chlorine: -- ppm		Color: None	Deposition: None 0 in.	
Ammonia: -- ppm		Gross Solids: None	Damage: None	
pH: -- units		Vegetation: None		
Temperature: -- °F		Benthic Growth: None		
Conductivity: -- µS/cm		Stains: None		
Detergents: -- mg/L		Non-illicit: None		



o20100818085058.JPG

2010

Inspection Date: 10/10/2016 9:20:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 14				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.57 units Temperature: 65 °F Conductivity: 365 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010091822.JPG 2016

Inspection Date: 9/23/2015 7:26:11 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 20				
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923062728.JPG 2015

Inspection Date: 10/9/2014 10:25:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Fully Depth (in): 14				
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None	
				 o20141009092338.JPG 2014

Inspection Date: 10/11/2011 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully Depth (in): 12				
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011095140.JPG 2011

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



05/26/2011 11:27

o20110526112736.JPG

2011

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



08/18/2010 09:01

o20100818085124.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171017155036.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 476,107 Latitude: 44.02558
 Easting: 788,230 Longitude: -88.55615

Location Map



Inspection Date: 10/17/2017 3:57:26 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171017155038.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

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

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

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

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

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

05-14

Dimensions

Diameter (in):

Height/Depth (in):

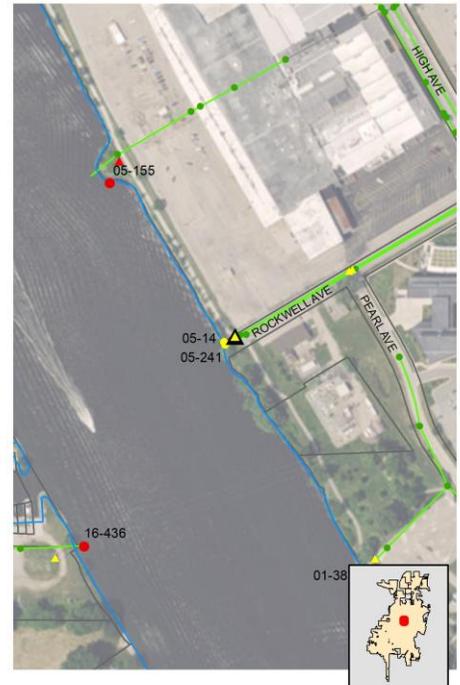
Width (in):



o20171017155250.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: 10/17/2017 3:58:36 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Potential

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



o20171017155256.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-31
 Time Collected: 15:55
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.93 units
 Temperature (field): 66 °F
 Conductivity (field): 886 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

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



o20161010154428.JPG

2016

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



o20150924093714.JPG

2015

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171017155036.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: **Latitude/Longitude:**
 Northing: 476,100 Latitude: 44.02556
 Easting: 788,232 Longitude: -88.55614

Inspection Date: 10/17/2017 3:57:59 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171017155038.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 3:43:52 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161010154050.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 05-241 US1.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Inspection Date: 9/24/2015 10:23:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20150924092602.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2015</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened at 05-241 US1.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Inspection Date: 8/25/2010 2:39:56 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20100825142910.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2010</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 05-241 US2.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">Osh09_DSCN6696.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2009</p>
Submerged: Fully Depth (in):		Notes		
Sampling Results		Condition Assessment		
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

05-241

Dimensions

Diameter (in):

Height/Depth (in):

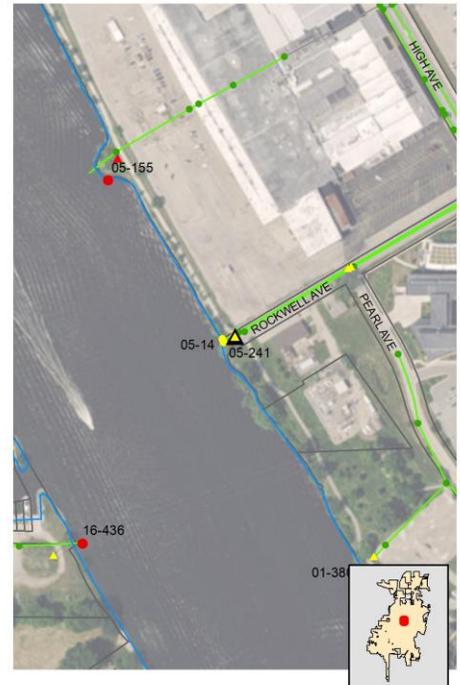
Width (in):



o20171017155834.JPG

Outfall Notes:

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



Mapping Precision:

Desktop mapping estimate

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 476,113 Latitude: 44.02560

Easting: 788,261 Longitude: -88.55603

Inspection Date: 10/17/2017 4:02:57 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 16

Illicit Discharge Potential: Potential

Notes: Detergent detected in sample collected from submerged pool in manhole.



o20171017155840.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-76
 Time Collected: 16:00
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.40 units
 Temperature (field): 65 °F
 Conductivity (field): 244 µS/cm
 Detergents: 1 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 3:50:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Fully		Depth (in): 17																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"></td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	0 ppm																	
pH:	7.59 units																	
Temperature:	69 °F																	
Conductivity:	1551 µS/cm																	
Detergents:	0 mg/L																	
Floatables:	None																	
Odor:	None																	
Turbidity:	None																	
Color:	None																	
Gross Solids:	Moderate																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	None																	
Non-illicit:	Slight																	



o20161010154822.JPG

2016

Inspection Date: 9/24/2015 10:27:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Fully		Depth (in): 18																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"></td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	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																	
Floatables:	None																	
Odor:	None																	
Turbidity:	None																	
Color:	None																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	Moderate																	
Stains:	None																	
Non-illicit:	None																	



o20150924092818.JPG

2015

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

05-242

Dimensions

Diameter (in):

Height/Depth (in):

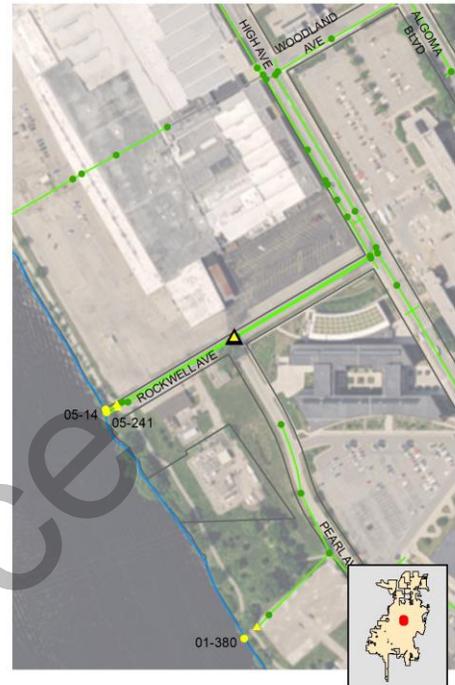
Width (in):



o20100825144300.JPG

Outfall Notes:

Upstream manhole located approx 365 ft NE of outfall 05-241. Intermediate area consists of industrial parking area to north and institutional buildings to south.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 476,280

Easting: 788,549

Latitude/Longitude:

Latitude: 44.02606

Longitude: -88.55494

Inspection Date: 8/25/2010 2:51:03 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Fully Depth (in): 17

Notes: Most flow going to adjacent storm manhole (rather than to outfall).

Illicit Discharge Potential: Unlikely

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color: Green

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



o20100825144310.JPG

2010

Sampling Results

Sample Location: Pool

Sample ID: 100825-82

Time Collected: 14:53

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.89 units

Temperature (field): 74 °F

Conductivity (field): -- µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 13		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Abnormal detergent analysis result (bubbles)		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.1 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	0 in.	
		Erosion: None		
		Deposition: None		
		Damage: None		



Osh09_DSCN6698.JPG

2009

Reference Only

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): 36

Height/Depth (in):

Width (in):



o20171003151536.JPG

Outfall Notes:

Storm sewer from Westhaven Dr discharges to stream from south via riprap channel.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 472,195 Latitude: 44.01483
 Easting: 778,097 Longitude: -88.59466

Location Map



Inspection Date: 10/3/2017 3:19:07 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Outfall buried under downed trees and brush from power line trimming - limited screening. Sample collected from submerged flow at end of pipe.



o20171003151556.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-08

Time Collected: 15:18

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.69 units

Temperature (field): 74 °F

Conductivity (field): 421 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/11/2012 9:00:17 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: None Depth (in):

Notes
 Water in corrugations, but no flow at time of inspection.



o20120611080232.JPG

Sampling Results

Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- 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

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	Minor

in.

2012

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 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: **Latitude/Longitude:**
 Northing: 472,713 Latitude: 44.01628
 Easting: 789,812 Longitude: -88.55013

Inspection Date: 10/18/2017 11:31:01 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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

**Outfall
Not
Located**

Photo Not Available

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 2:57:41 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161018145652.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 06-52 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/23/2015 8:40:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">09/23/2015 08:44</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2015</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened at 06-52 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 10/9/2014 9:32:21 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">10/09/2014 09:31</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2014</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 06-52 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 10/11/2011 11:06:46 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">10/11/2011 11:07</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2011</p>
Submerged: Fully Depth (in):		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

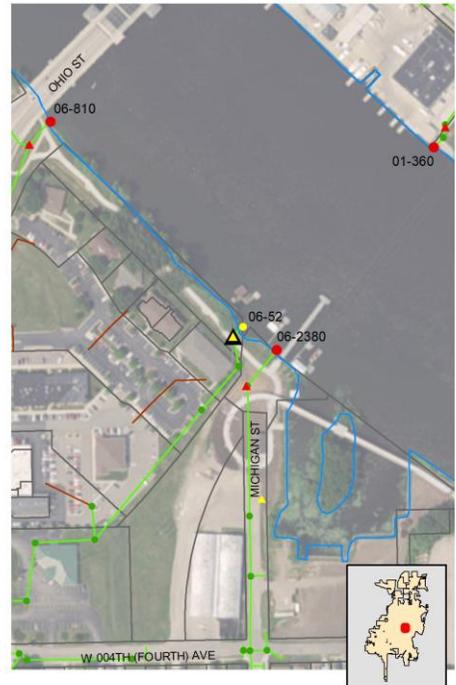
Inspection Date: 8/18/2010 12:57:36 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None 0 in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100818124946.JPG

2010

Location Map



o20171018112924.JPG

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):

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: 10/18/2017 11:33:33 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Potential

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



o20171018112938.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-47
 Time Collected: 11:30
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 8.39 units
 Temperature (field): 65 °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

Inspection Date: 10/18/2016 3:00:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.02 units Temperature: 67 °F Conductivity: 418 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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20161018145924.JPG 2016

Inspection Date: 9/23/2015 8:42:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully		Depth (in): 44		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.74 units Temperature: 70 °F Conductivity: 351 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923074542.JPG 2015

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

Inspection Date: 10/11/2011 11:09:29 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully		Depth (in): 35		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.13 units Temperature: 70 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011110824.JPG 2011

Inspection Date: 5/26/2011 1:05:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully	Depth (in):			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm		Odor:		
Free Chlorine: -- ppm		Turbidity:		
Ammonia: -- ppm		Color:		
pH: -- units		Gross Solids: Moderate		
Temperature: -- °F		Vegetation:		
Conductivity: -- µS/cm		Benthic Growth:		
Detergents: -- mg/L		Stains:		
		Non-illicit: None		



o20110526130522.JPG

2011

Inspection Date: 8/18/2010 1:00:07 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Significant floatable debris in manhole.	
Submerged: Fully	Depth (in): 41			
Sampling Results Sample Location: Pool		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm		Odor: None		
Free Chlorine: 0 ppm		Turbidity: 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		



o20100818125018.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

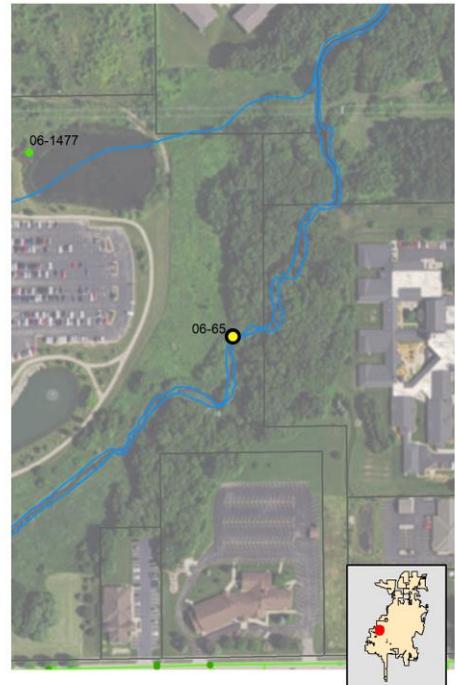


o20171017074250.JPG

Outfall Notes:

Detention basin discharges to stream from north.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,583 Latitude: 44.01314
 Easting: 777,427 Longitude: -88.59720

Inspection Date: 10/17/2017 7:46:40 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 4

Illicit Discharge Potential: Unlikely

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



o20171017074300.JPG

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

2017

Sampling Results

Sample Location: Flow

Sample ID: 171017-87

Time Collected: 07:42

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.55 units

Temperature (field): 57 °F

Conductivity (field): 1128 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/11/2012 10:12:21 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely Inspector: JCW
 Submerged: None Depth (in):

Sampling Results			
Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	None
Temperature	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	Slight
		Non-illicit:	None

Notes
 Outfall dry at time of inspection.

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



o20120611091302.JPG

2012

Inspection Date: 10/18/2016 1:40:09 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20161018133940.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2016</p>																																				
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 06-221 US1.																																						
<table border="0" style="width:100%;"> <tr> <td style="width: 20%;"><i>Sampling Results</i></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		<i>Sampling Results</i>	Floatables:	None	Sample Location:	Odor:	None	Total Chlorine: -- ppm	Turbidity:	None	Free Chlorine: -- ppm	Color:	None	Ammonia: -- ppm	Gross Solids:	None	pH: -- units	Vegetation:	None	Temperature -- °F	Benthic Growth:	None	Conductivity: -- µS/cm	Stains:	None	Detergents: -- mg/L	Non-illicit:	None	<table border="0" style="width:100%;"> <tr> <td colspan="2">Condition Assessment</td> </tr> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
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Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							

Inspection Date: 10/7/2014 9:37:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20141007083652.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2014</p>																																				
Submerged: Fully Depth (in):		Notes Outfall partially submerged and not located - screened upstream at 06-221 US1.																																						
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Erosion:	None																																							
Deposition:	None in.																																							
Damage:	None																																							

Inspection Date: 10/11/2011 11:34:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20111011113446.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2011</p>																																				
Submerged: Fully Depth (in):		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1.																																						
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Deposition:	None 0 in.																																							
Damage:	None																																							

Inspection Date: 8/18/2010 2:38:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; color: orange; font-weight: bold; font-size: 1.2em;">Outfall Not Located</p> <p style="text-align: center; font-size: 0.8em;">o20100818142820.JPG</p> <p style="text-align: center; font-weight: bold; font-size: 1.5em;">2010</p>																																				
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1.																																						
<table border="0" style="width:100%;"> <tr> <td style="width: 20%;"><i>Sampling Results</i></td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		<i>Sampling Results</i>	Floatables:	None	Sample Location:	Odor:	None	Total Chlorine: -- ppm	Turbidity:	None	Free Chlorine: -- ppm	Color:	None	Ammonia: -- ppm	Gross Solids:	None	pH: -- units	Vegetation:	None	Temperature -- °F	Benthic Growth:	None	Conductivity: -- µS/cm	Stains:	None	Detergents: -- mg/L	Non-illicit:	None	<table border="0" style="width:100%;"> <tr> <td colspan="2">Condition Assessment</td> </tr> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
<i>Sampling Results</i>	Floatables:	None																																						
Sample Location:	Odor:	None																																						
Total Chlorine: -- ppm	Turbidity:	None																																						
Free Chlorine: -- ppm	Color:	None																																						
Ammonia: -- ppm	Gross Solids:	None																																						
pH: -- units	Vegetation:	None																																						
Temperature -- °F	Benthic Growth:	None																																						
Conductivity: -- µS/cm	Stains:	None																																						
Detergents: -- mg/L	Non-illicit:	None																																						
Condition Assessment																																								
Graffiti:	None																																							
Erosion:	None																																							
Deposition:	None 0 in.																																							
Damage:	None																																							

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-221

Dimensions

Diameter (in):

Height/Depth (in):

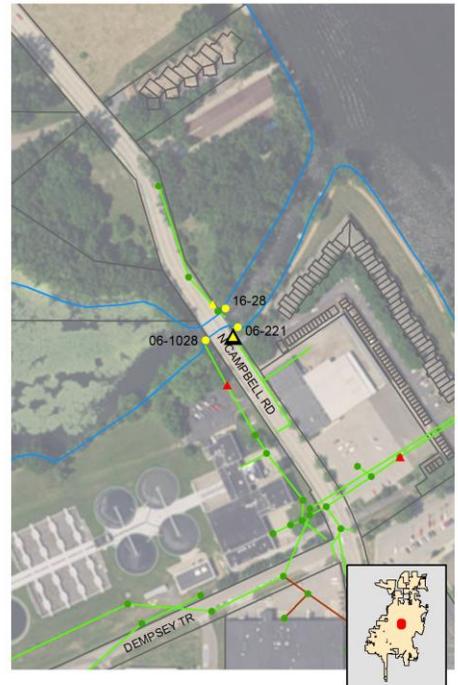
Width (in):



o20171018105542.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: Latitude/Longitude:

Northing: 474,552 Latitude: 44.02132

Easting: 787,942 Longitude: -88.55724

Inspection Date: 10/18/2017 11:00:06 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 32

Illicit Discharge Potential: Potential

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



o20171018105550.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-67
 Time Collected: 10:58
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.24 units
 Temperature (field): 66 °F
 Conductivity (field): 379 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 1:43:57 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 35

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.06 units
Temperature:	68 °F
Conductivity:	460 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

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

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



o20161018134038.JPG

2016

Inspection Date: 10/7/2014 9:38:38 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in): 32

<i>Sampling Results</i>	
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

Notes

Condition Assessment
Graffiti: None
Erosion: None
Deposition: Minor 3 in.
Damage: None



o20141007083848.JPG

2014

Inspection Date: 10/11/2011 11:37:34 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 32

<i>Sampling Results</i>	
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

Notes
2010 screening follow-up. Floatable debris still present.

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



o20111011113522.JPG

2011

Inspection Date: 8/18/2010 2:43:51 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 36

<i>Sampling Results</i>	
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

Notes
Torn paper and other floatable debris in manhole.

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



o20100818143354.JPG

2010

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Elliptical

Material:
RCP

City ID:
N/A

Dimensions	
Diameter (in):	
Height/Depth (in):	34
Width (in):	53



o20171019131158.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 474,389 Latitude: 44.02087
 Easting: 788,576 Longitude: -88.55483

Location Map



Inspection Date: 10/19/2017 1:14:17 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, significant flow

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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



o20171019131334.JPG

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

2017

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	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut <input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage

Inspection Date: 10/18/2016 1:59:02 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20161018135746.JPG

2016

Inspection Date: 9/23/2015 9:26:08 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20150923082910.JPG

2015

Inspection Date: 8/18/2010 1:51:34 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes
Outfall fully submerged and not physically located. Outfall screened upstream at 06-263 US1.

Condition Assessment

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



o20100818134248.JPG

2010

Inspection Date: 9/10/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes

Condition Assessment

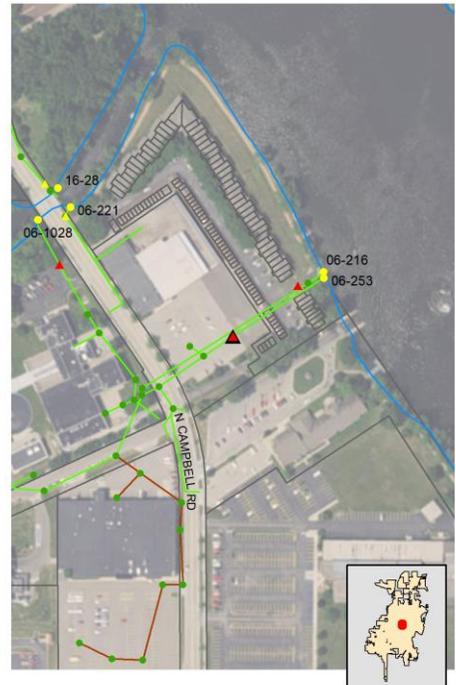
Graffiti:	None
Erosion:	None
Deposition:	None 0 in.
Damage:	None



Osh09_DSCN6785.JPG

2009

Location Map



o20171019131652.JPG

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):

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: Latitude/Longitude:

Northing: 474,249 Latitude: 44.02049

Easting: 788,349 Longitude: -88.55569

Inspection Date: 10/19/2017 1:19:57 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, slight flow

Submerged: Fully Depth (in): 40

Illicit Discharge Potential: Potential

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



o20171019131708.JPG

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

2017

Sampling Results

Sample Location: Flow

Sample ID: 171019-52

Time Collected: 13:19

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 3 ppm

pH (field): 7.15 units

Temperature (field): 68 °F

Conductivity (field): 1990 µS/cm

Detergents: 0 mg/L

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



o20161018140148.JPG

2016

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



o20150923083310.JPG

2015

Inspection Date: 8/18/2010 2:07:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
<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: 7.05 units	Gross Solids: None			
Temperature 81 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None 0 in.		
		Damage: None		



o20100818135922.JPG

2010

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



Osh09_DSCN6791.JPG

2009

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
HDPE

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171003141308.JPG

Outfall Notes:

Outlet pipe for detention basin discharges to stream from north. Additional pipe located west of outfall pipe.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 475,564 Latitude: 44.02407
Easting: 779,698 Longitude: -88.58858

Location Map



Inspection Date: 10/3/2017 2:15:59 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Substantial

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from pipe flow.



o20171003141348.JPG

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

2017

Sampling Results

Sample Location: Flow

Sample ID: 171003-33

Time Collected: 14:15

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.42 units

Temperature (field): 74 °F

Conductivity (field): 627 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 7:51:12 AM		Type: Ongoing		Flow: Moderate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Small pockets of suds/foam on rocks below discharge.		 <small>o20120530065530.JPG</small> 2012	
Submerged: None		Depth (in):					
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 66 °F Conductivity: 734 µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None		in.	

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in):
Height/Depth (in): 38
Width (in): 60

Mapping Precision:
Desktop mapping estimate
 Not Physically Located



o20171018111510.JPG

Outfall Notes:

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

County Coordinates: Latitude/Longitude:
Northing: 473,225 Latitude: 44.01768
Easting: 789,346 Longitude: -88.55190

Location Map



Inspection Date: 10/18/2017 11:21:24 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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



o20171018111512.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 2:44:09 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-size: small;">o20161018144322.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 06-810 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- ° F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/23/2015 9:09:50 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-size: small;">o20150923081344.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2015</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened at 06-810 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- ° F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 8/18/2010 1:15:26 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="text-align: center; font-size: small;">o20100818130938.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2010</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-810 US1.		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- ° F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="text-align: center; font-size: small;">Osh09_DSCN6798.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2009</p>
Submerged: Fully Depth (in):		Notes		
Sampling Results		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- ° F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	

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):



o20171018111556.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: Latitude/Longitude:

Northing: 473,170 Latitude: 44.01753

Easting: 789,293 Longitude: -88.55210

Inspection Date: 10/18/2017 11:23:20 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 50

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171018111612.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-41
 Time Collected: 11:15
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.85 units
 Temperature (field): 65 °F
 Conductivity (field): 174 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 2:47:47 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 52

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.93 units
Temperature:	67 °F
Conductivity:	400 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Notes

Condition Assessment

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



o20161018144430.JPG

2016

Inspection Date: 9/23/2015 9:13:00 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 57

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	8.39 units
Temperature:	70 °F
Conductivity:	372 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Notes

Condition Assessment

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



o20150923081432.JPG

2015

Inspection Date: 8/18/2010 1:18:51 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 55

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0.5 ppm
pH:	7.68 units
Temperature:	78 °F
Conductivity:	-- µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	Faint
Turbidity:	None
Color:	Faint in bottle
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Condition Assessment

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



o20100818131246.JPG

2010

Inspection Date: 9/10/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 6

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	-- ppm
pH:	8.42 units
Temperature:	82 °F
Conductivity:	-- µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Abnormal detergent analysis result (bubbles)

Condition Assessment

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



Osh09_DSCN6801.JPG

2009

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions	
Diameter (in):	18
Height/Depth (in):	
Width (in):	



o20171003134446.JPG

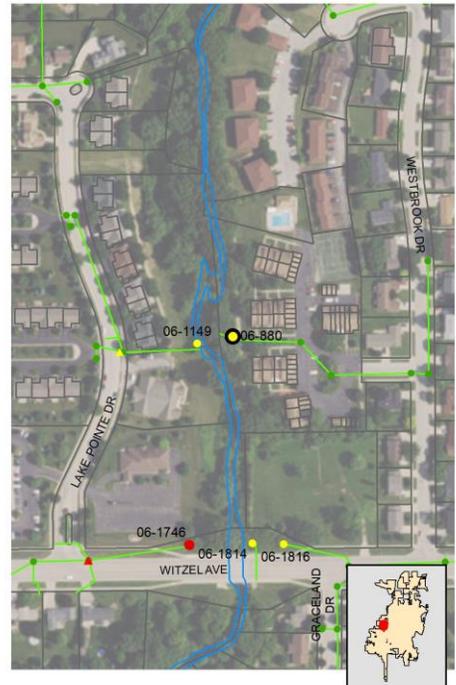
Outfall Notes:

Storm sewer from Westbrook Dr discharges to stream from east. (Pipe discharges under raised garden.)

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,974 Latitude: 44.01971
 Easting: 779,375 Longitude: -88.58981

Location Map



Inspection Date: 10/3/2017 1:47:54 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Trickle
 Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Sample collected from pipe flow.



o20171003134456.JPG

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

2017

Sampling Results

Sample Location: Flow
 Sample ID: 171003-70
 Time Collected: 13:45
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 8.28 units
 Temperature (field): 74 °F
 Conductivity (field): 899 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 8:41:07 AM Type: Ongoing Flow: Trickle Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely Inspector: JCW
 Submerged: None Depth (in):

Notes



o20120530074112.JPG

Sampling Results

Sample Location:	Flow
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	8.17 units
Temperature:	62 °F
Conductivity:	986 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.

2012

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20171017083658.JPG

Outfall Notes:

Storm sewer from Greenfield Trail discharges to flat wetland area east of stream.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,019 Latitude: 44.01709
 Easting: 779,133 Longitude: -88.59072

Location Map



Inspection Date: 10/17/2017 8:41:19 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection. Pipe undercut 11". Scour hole and downstream channel erosion.



o20171017083742.JPG

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

2017

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: Minor

Deposition: None Depth (in):

Damage: Moderate Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 12:44:53 PM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: None Depth (in):

Sampling Results			
Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	None
Temperature	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	None
		Non-illicit:	None

Notes
 Small pool at end of pipe. No flow at time of inspection.

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



o20120530114522.JPG

2012

Inspection Date: 5/30/2012 12:36:36 PM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely Inspector: JCW
 Submerged: None Depth (in):

Notes
 Outfall dry at time of inspection.



o20120530113720.JPG

Sampling Results

Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature	-- °F
Conductivity:	-- µS/cm
Detergents:	-- mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

2012

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): 42

Height/Depth (in):

Width (in):



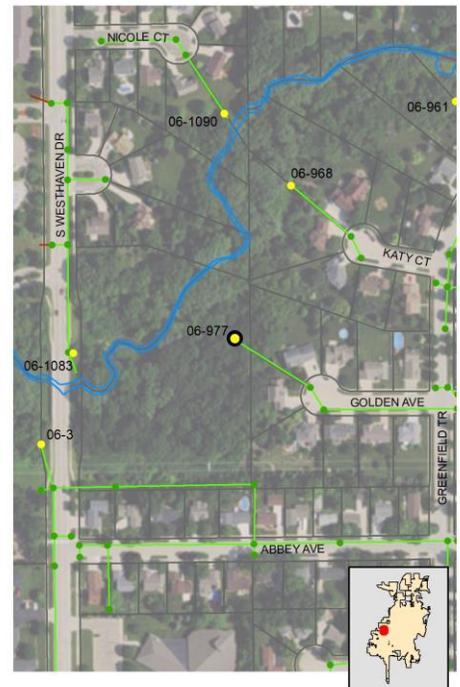
o20171003153118.JPG

Outfall Notes:
Storm sewer from Golden Ave discharges to stream from east.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 472,446 Latitude: 44.01552
Easting: 778,578 Longitude: -88.59283

Location Map



Inspection Date: 10/3/2017 3:33:37 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Flowline damp, but no flow at time of inspection. 5" joint displacement at apron.



o20171003153144.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Moderate Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 12:25:25 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="font-size: small; margin-top: 5px;">o20120530112522.JPG</p> <p style="font-size: large; font-weight: bold; margin-top: 10px;">2012</p>																		
Submerged: None Depth (in):		Notes Apron displaced 5" from pipe. Dry at time of inspection.																				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		<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>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment Graffiti: None Erosion: Minor Deposition: None in. Damage: Minor
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20171018110106.JPG

Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 474,544 Latitude: 44.02130
 Easting: 787,874 Longitude: -88.55750

Location Map



Inspection Date: 10/18/2017 11:02:49 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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



o20171018110118.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

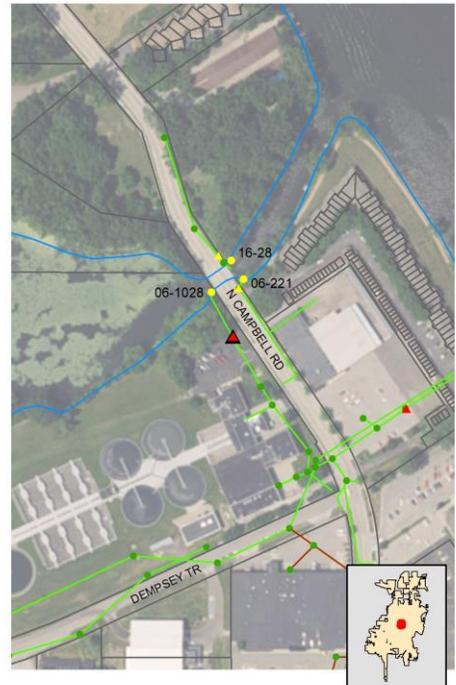
Inspection Date: 10/18/2016 1:30:27 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		<div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;"> <p style="font-size: 24px; color: #e67e22; margin: 0;">Outfall Not Located</p> <p style="font-size: 18px; color: #34495e; margin: 0;">Photo Not Available</p> <p style="font-size: 24px; color: #34495e; margin: 0;">2016</p> </div>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 06-1028 US1.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	

Inspection Date: 6/20/2012 10:25:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;">  <p style="font-size: 24px; color: #e67e22; margin: 0;">Outfall Not Located</p> <p style="font-size: 18px; color: #34495e; margin: 0;">Photo Not Available</p> <p style="font-size: 24px; color: #34495e; margin: 0;">2012</p> </div>
Submerged: Fully Depth (in):		Notes Outfall fully submerged; screened upstream at 06-1028 US1.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	

Inspection Date: 8/18/2010 3:02:40 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;">  <p style="font-size: 24px; color: #e67e22; margin: 0;">Outfall Not Located</p> <p style="font-size: 18px; color: #34495e; margin: 0;">Photo Not Available</p> <p style="font-size: 24px; color: #34495e; margin: 0;">2010</p> </div>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 06-1028 US1.		
Sampling Results		Condition Assessment		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;">  <p style="font-size: 24px; color: #e67e22; margin: 0;">Outfall Not Located</p> <p style="font-size: 18px; color: #34495e; margin: 0;">Photo Not Available</p> <p style="font-size: 24px; color: #34495e; margin: 0;">2009</p> </div>
Submerged: Fully Depth (in):		Notes		
Sampling Results		Condition Assessment		
Sample Location:	Floatables:			
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	

Location Map



o20171018110456.JPG

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):

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: 10/18/2017 11:09:11 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 27

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. 5" of organic sediment on bottom.

- 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



o20171018110504.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-55
 Time Collected: 11:05
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.47 units
 Temperature (field): 65 °F
 Conductivity (field): 1349 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: Moderate Depth (in): 5
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 1:34:11 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20161018133224.JPG	
Submerged: Fully		Depth (in): 22		Potential illicit discharge due to gross solids.			
Sampling Results				Condition Assessment		2016	
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: Faint		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Deposition: None in.			
Ammonia: 0 ppm		Color: None		Damage: None			
pH: 7.38 units		Gross Solids: Moderate					
Temperature 68 °F		Vegetation: None					
Conductivity: 1432 µS/cm		Benthic Growth: Slight					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: None					

Inspection Date: 6/20/2012 10:29:02 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 24-48	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20120620092948.JPG	
Submerged: Fully		Depth (in): 21		2011 gross solids follow-up.			
Sampling Results				Condition Assessment		2012	
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: -- ppm		Odor: None		Erosion: None			
Free Chlorine: -- ppm		Turbidity: None		Deposition: None in.			
Ammonia: -- ppm		Color: None		Damage: None			
pH: -- units		Gross Solids: Moderate					
Temperature -- °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: Slight					
Detergents: -- mg/L		Stains: None					
		Non-illicit: None					

Inspection Date: 8/18/2010 3:07:00 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20100818145848.JPG	
Submerged: Fully		Depth (in): 18					
Sampling Results				Condition Assessment		2010	
Sample Location: Pool		Floatables: Slight		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Deposition: None 0 in.			
Ammonia: 0 ppm		Color: None		Damage: None			
pH: 7.46 units		Gross Solids: Slight					
Temperature 76 °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: Slight					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: Slight					

Inspection Date: 9/10/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 Osh09_DSCN6796.JPG	
Submerged: Fully		Depth (in): 16		Slight sulfide odor.			
Sampling Results				Condition Assessment		2009	
Sample Location: Pool		Floatables: Slight		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Deposition: None 3 in.			
Ammonia: -- ppm		Color: None		Damage: None			
pH: 7.72 units		Gross Solids: Slight					
Temperature 80 °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: None					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: None					

Inspection Date: 6/11/2012 9:05:58 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: None Depth (in):

Sampling Results			
Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	Slight
Temperature	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	Slight
		Non-illicit:	None

Notes
 Damp flowline, but no flow leaving pipe.

Condition Assessment
 Graffiti: None
 Erosion: None
 Deposition: Minor 1 in.
 Damage: Minor



o20120611080832.JPG

2012

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):	



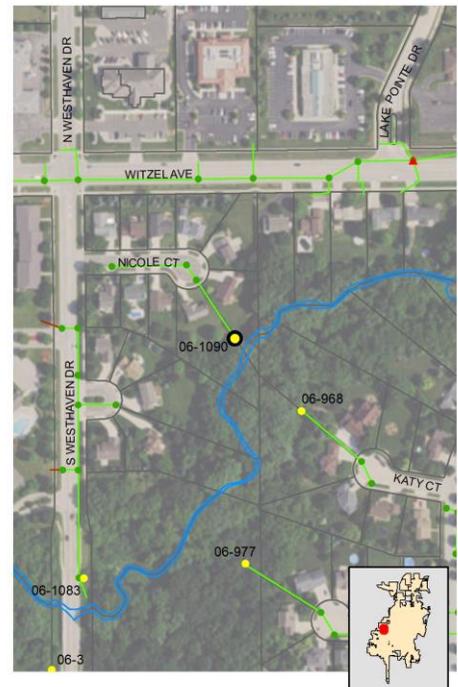
o20171003145410.JPG

Outfall Notes:
Storm sewer from Nicole Ct discharges to stream from west.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,000 Latitude: 44.01704
 Easting: 778,562 Longitude: -88.59289

Location Map



Inspection Date: 10/3/2017 2:55:52 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
 Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Flowline damp, but no flow at time of inspection.



o20171003145418.JPG

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

2017

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: 5/30/2012 12:13:49 PM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely

Inspector: JCW

Submerged: None

Depth (in):

Notes
Apron damp but no flow at time of inspection.



o20120530111508.JPG

Sampling Results

Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature	-- ° 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

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

2012

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171017075650.JPG

Outfall Notes:

Storm sewer from 9th Ave discharges to stream from west.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 470,790 Latitude: 44.01097
 Easting: 776,481 Longitude: -88.60079

Location Map



Inspection Date: 10/17/2017 8:01:14 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection. 3" apron displacement and cracked concrete.



o20171017075656.JPG

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

2017

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): 1

Damage: Moderate Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/11/2012 10:22:55 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Gravel deposit at end of apron.		 o20120611092654.JPG	
Submerged: None		Depth (in):					
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor		2012	

Inspection Date: 9/3/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 Osh09_DSCN6457.JPG	
Submerged: None		Depth (in): 0					
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		2009	

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171017080050.JPG

Outfall Notes:

Storm sewer from 9th Ave discharges to stream from east.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 470,793 Latitude: 44.01098
 Easting: 776,523 Longitude: -88.60063

Inspection Date: 10/17/2017 8:05:21 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 06-1136 US1. Suds appeared to behave as natural (surfactant) source.



o20171017080100.JPG

Floatables: Moderate 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: None Flow Line Oil Rust Stains

Paint Other

Non-illicit: None Natural Sheen Natural Suds/Foam

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/11/2012 10:29:34 AM		Type: Ongoing		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Gravel deposition on apron. Outfall partially submerged. Outfall screened upstream at 06-1136 US1.		 <p style="text-align: center; font-size: small;">o20120611093052.JPG</p>	
Submerged: Partially Depth (in): 10							
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 4 in. Damage: None		<h1 style="margin: 0;">2012</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None					

Inspection Date: 9/3/2009		Type: Initial		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p style="text-align: center; font-size: small;">Osh09_DSCN6460.JPG</p>	
Submerged: Partially Depth (in): 11							
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: 1 in. Damage: None		<h1 style="margin: 0;">2009</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Faint Turbidity: Cloudy Color: None Gross Solids: None Vegetation: Benthic Growth: Slight Stains: Non-illicit: None					

Location Map



o20171017080632.JPG

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1136

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Outfall Notes:

Upstream manhole located approx 19 ft ESE of outfall 06-1136. Intermediate area consists of rip-rap embankment.

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 470,789

Easting: 776,543

Latitude/Longitude:

Latitude: 44.01096

Longitude: -88.60056

Inspection Date: 10/17/2017 8:09:42 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171017080640.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-75
 Time Collected: 08:06
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.85 units
 Temperature (field): 59 °F
 Conductivity (field): 1196 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 6/11/2012 10:33:33 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p style="text-align: right; font-size: small;">06/11/2012 10:36</p> <p style="text-align: center;">o20120611093616.JPG</p>	
Submerged: Partially		Depth (in): 12					
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.59 units Temperature: 73 °F Conductivity: 1490 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: Slight cloudiness Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		<h1 style="margin: 0;">2012</h1>	

Inspection Date: 9/3/2009		Type: Initial		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p style="text-align: right; font-size: small;">09/03/2009 14:28</p> <p style="text-align: center;">Osh09_DSCN6463.JPG</p>	
Submerged: Partially		Depth (in): 10					
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.12 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		<h1 style="margin: 0;">2009</h1>	

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
PVC

City ID:
N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20171003130308.JPG

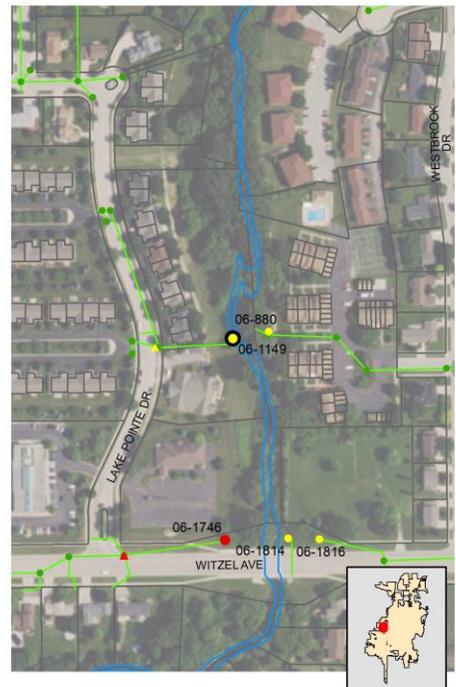
Outfall Notes:

Storm sewer from Lake Pointe Dr discharges to stream from west.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,959 Latitude: 44.01967
 Easting: 779,287 Longitude: -88.59014

Location Map



Inspection Date: 10/3/2017 1:09:43 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Trickle

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from flow from pipe.



o20171003130330.JPG

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

2017

Sampling Results

Sample Location: Flow

Sample ID: 171003-85

Time Collected: 13:08

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.57 units

Temperature (field): 75 °F

Conductivity (field): 1576 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 8:46:17 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged. Outfall screened upstream at 06-1149 US1.		 <p style="font-size: small; text-align: center;">o20120530074728.JPG</p> <p style="font-size: large; font-weight: bold; text-align: center;">2012</p>	
Submerged: Partially Depth (in): 3							
<i>Sampling Results</i>				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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: Slight Stains: Slight Non-illicit: None					

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Supplemental Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171003124852.JPG

Outfall Notes:

Storm sewer from Blake Ct connects to Witzel Ave storm sewer inside manhole. Outfall is 24" RCP from north.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,839 Latitude: 44.01934
 Easting: 778,619 Longitude: -88.59268

Location Map



Inspection Date: 10/3/2017 12:52:08 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
 Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

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



o20171003124848.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Supplemental Outfall

Shape:
Pipe - Circular

Material:
PVC

City ID:
N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20171003124916.JPG

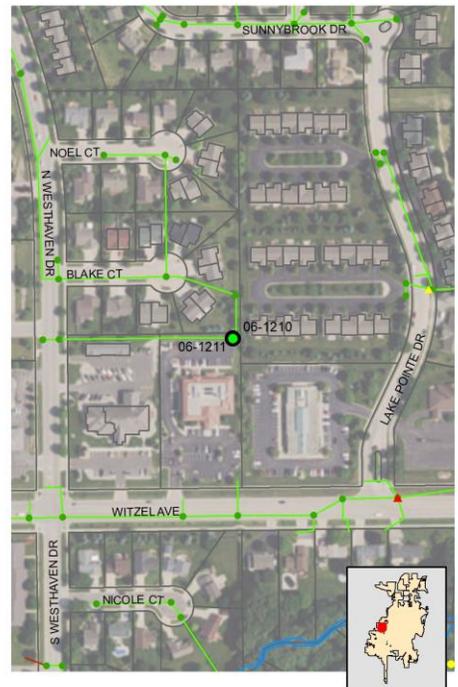
Outfall Notes:

Storm sewer from Westhaven Dr connects to Witzel Ave storm sewer inside manhole. Outfall is 12" PVC from west.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 473,829 Latitude: 44.01931
Easting: 778,610 Longitude: -88.59271

Location Map



Inspection Date: 10/3/2017 12:52:45 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171003124926.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
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):	



o20171017093908.JPG

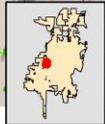
Outfall Notes:

Witzel Av storm sewer discharges to I-41 right-of-way.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
Northing: Latitude:
Easting: Longitude:

Location Map



Inspection Date: 10/17/2017 9:40:58 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None
Submerged: None Depth (in):
Illicit Discharge Potential: Potential

Notes: Pipe dry at time of inspection. Significant gross solids (litter) that appeared to come from the pipe.



o20171017093916.JPG

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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
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):	



o20171017094218.JPG

Outfall Notes:

Washburn St storm sewer discharges to I-41 right-of-way.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
Northing: Latitude:
Easting: Longitude:

Location Map



Inspection Date: 10/17/2017 9:44:07 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171017094224.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Non-Priority Non-Major Outfall

Location Map

Structure Type:

Open Channel Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Channel - Trapezoidal

Material:

Channel - riprap

City ID:

N/A

Dimensions

Diameter (in):
Height/Depth (in): 36
Width (in): 420



o20171017072626.JPG

Outfall Notes:

Rip-rap channel from Oakwood Rd discharges into detention basin. Upstream dimensions recorded.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 472,044
Easting: 776,934

Latitude/Longitude:

Latitude: 44.01441
Longitude: -88.59908

Inspection Date: 10/17/2017 7:29:48 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Water level extends farther up riprap than normal, but no observed flow at time of inspection.



o20171017072634.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 6/12/2012 8:05:30 AM		Type: Ongoing		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW					
Submerged: Partially		Depth (in): 8					
<i>Sampling Results</i>		Floatables:		None		<div style="border: 1px solid black; padding: 5px;"> Notes Outfall partially submerged; screened upstream at 06-1495 US1. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>	
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		Moderate			
Conductivity: -- µS/cm		Stains:		Slight			
Detergents: -- mg/L		Non-illicit:		None			



o20120612070614.JPG

2012

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:

06-1495

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171003122146.JPG

Outfall Notes:

Upstream catchbasin located approx 116 ft W of outfall 06-1495. Intermediate area consists of multifamily residential property.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 474,139

Easting: 776,709

Latitude/Longitude:

Latitude: 44.02016

Longitude: -88.59994

Inspection Date: 10/3/2017 12:24:58 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in outfall.



o20171003122158.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-14

Time Collected: 12:22

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.91 units

Temperature (field): 75 °F

Conductivity (field): 164 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/12/2012 8:07:54 AM Type: Ongoing Flow: Submerged, indeterminate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: Partially Depth (in): 2

Notes



o20120612071218.JPG

Sampling Results

Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.32 units
Temperature:	68 °F
Conductivity:	1263 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	Faint
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Slight
Non-illicit:	Slight

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.

2012

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Elliptical

Material:
RCP

City ID:
N/A

Dimensions	
Diameter (in):	
Height/Depth (in):	29
Width (in):	45



o20171017081712.JPG

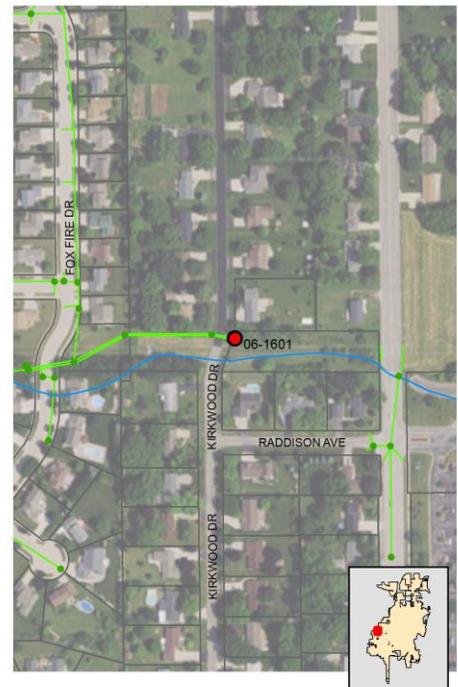
Outfall Notes:

Twin 29x45 culverts discharge to channel on east side of Kirkwood Dr.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 472,178 Latitude: 44.01477
 Easting: 775,496 Longitude: -88.60454

Location Map



Inspection Date: 10/17/2017 8:20:52 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

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



o20171017081720.JPG

- 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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 6

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 54

Height/Depth (in):

Width (in):



o20171003132018.JPG

Outfall Notes:

Storm sewer from Witzel Ave discharges to stream from west via riprap channel.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,464 Latitude: 44.01831
 Easting: 779,259 Longitude: -88.59025

Location Map



Inspection Date: 10/3/2017 1:22:33 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 06-1746 US1. Sample collected from outfall pool - detergent detected.



o20171003132032.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-92

Time Collected: 13:33

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.55 units

Temperature (field): 74 °F

Conductivity (field): 623 µS/cm

Detergents: 1 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 9:14:05 AM		Type: Ongoing		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged. Outfall screened upstream at 06-1746 US1.		 <p style="text-align: center; font-size: small;">o20120530081528.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2012</p>	
Submerged: Partially Depth (in): 5							
Sampling Results Sample Location:		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 9/3/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Wet, no flow.		 <p style="text-align: center; font-size: small;">Osh09_DSCN6473.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2009</p>	
Submerged: None Depth (in): 0							
Sampling Results Sample Location:		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L							

Location Map



o20171003132822.JPG

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1746

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Outfall Notes:

Upstream manhole located approx 237 ft W of outfall 16-1746. Intermediate area consists of street right-of-way.

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 473,439

Easting: 779,023

Latitude/Longitude:

Latitude: 44.01824

Longitude: -88.59114

Inspection Date: 10/17/2017 9:12:10 AM Inspector: JCW Inspection Type: Repeat Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: Unlikely

Notes: Repeat inspection due to detergent. No detergent detected in manhole sample.

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



o20171017090542.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-69
 Time Collected: 09:10
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.90 units
 Temperature (field): 60 °F
 Conductivity (field): 989 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/3/2017 1:32:29 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> Notes Flowline wet, but no flow at time of inspection. Detergent detected in sample from outfall pool. </div>
Submerged: None	Depth (in):			
<i>Sampling Results</i>		Floatables:	None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	Slight	
Detergents:	-- mg/L	Non-illicit:	None	



o20171003132832.JPG

2017

Inspection Date: 5/30/2012 9:35:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> Notes </div>
Submerged: Partially	Depth (in): 3			
<i>Sampling Results</i>		Floatables:	None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>
Sample Location:	Pool	Odor:	None	
Total Chlorine:	0 ppm	Turbidity:	None	
Free Chlorine:	0 ppm	Color:	None	
Ammonia:	0 ppm	Gross Solids:	Slight	
pH:	7.76 units	Vegetation:	None	
Temperature	64 °F	Benthic Growth:	None	
Conductivity:	707 µS/cm	Stains:	None	
Detergents:	0 mg/L	Non-illicit:	None	



o20120530102826.JPG

2012

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):



o20171003142730.JPG

Outfall Notes:

Curb inlets from Witzel Ave bridge discharge to stream from east via 25 ft riprap swale.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 473,466 Latitude: 44.01832
 Easting: 779,414 Longitude: -88.58966

Inspection Date: 10/3/2017 2:28:30 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171003142738.JPG

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

2017

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: 5/30/2012 9:06:11 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Minor concrete spalling. Garbage in swale not likely from storm sewer.		 <p style="font-size: small; margin-top: 5px;">o20120530080858.JPG</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor		<h1 style="margin: 0;">2012</h1>	

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 24
Height/Depth (in):
Width (in):



o20171003142954.JPG

Outfall Notes:

Storm sewer from Witzel Ave discharges to stream from east via riprap channel.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 473,462
Easting: 779,491

Latitude/Longitude:

Latitude: 44.01831
Longitude: -88.58937

Inspection Date: 10/3/2017 2:31:46 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.

Floatables: 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



o20171003143004.JPG

2017

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: 5/30/2012 9:22:04 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: None Depth (in):

Sampling Results			
Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	Slight
Temperature	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	Slight
		Non-illicit:	None

Notes
 Minor garbage in downstream channel - potentially from storm sewer.

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



o20120530082212.JPG

2012

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Elliptical

Material:
CMP

City ID:
N/A

Dimensions	
Diameter (in):	
Height/Depth (in):	27
Width (in):	43



o20171017135258.JPG

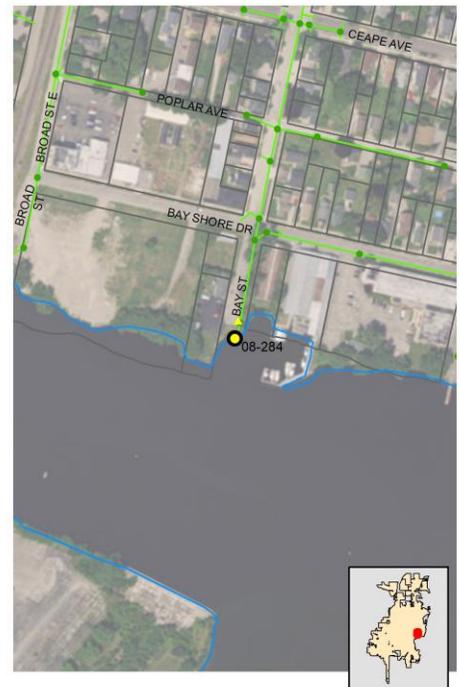
Outfall Notes:

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

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,023 Latitude: 44.01165
 Easting: 794,824 Longitude: -88.53108

Location Map



Inspection Date: 10/17/2017 1:56:02 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 36

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged with approx 9" of water over crown of pipe - screened upstream at 08-284 US1. Floating gross solids (litter) in manhole.



o20171017135302.JPG

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

2017

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

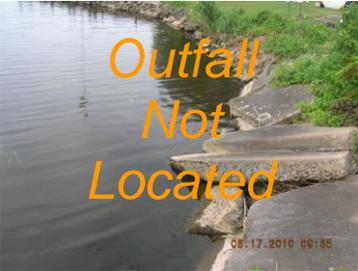
Graffiti:	None		
Erosion:	None		
Deposition:	None	Depth (in):	
Damage:	None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut <input type="checkbox"/> Crushed
		<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage

Inspection Date: 10/10/2016 10:18:48 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not located - screened upstream at 08-284 US1.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010101832.JPG 2016

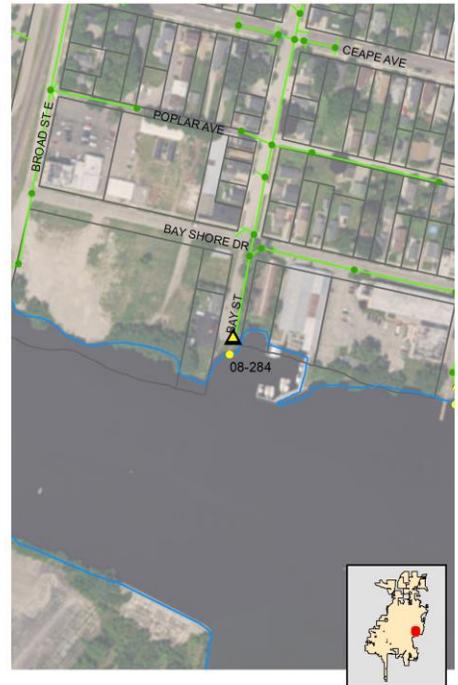
Inspection Date: 9/22/2015 10:04:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged - screened at 08-284 US1.
Submerged: Fully		Depth (in): 30		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150922090932.JPG 2015

Inspection Date: 10/9/2014 11:24:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged - screened upstream at 08-284 US1.
Submerged: Fully		Depth (in): 29		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor	
				 o20141009102400.JPG 2014

Inspection Date: 10/11/2011 8:37:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 08-284 US1.
Submerged: Fully		Depth (in): 25		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011083728.JPG 2011

Inspection Date: 8/17/2010 9:35:00 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 08-284 US1.			
Submerged: Fully		Depth (in):					
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Location Map



o20171017135512.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):

Outfall Notes:

Upstream manhole located approx 26 ft N of outfall 08-284. Intermediate area consists of street right-of-way and open space.

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 471,067 Latitude: 44.01177

Easting: 794,833 Longitude: -88.53104

Inspection Date: 10/17/2017 1:59:35 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 30

Illicit Discharge Potential: Potential

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



o20171017135518.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-94

Time Collected: 13:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.67 units

Temperature (field): 66 °F

Conductivity (field): 352 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/10/2016 10:21:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 32				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.15 units Temperature: 63 °F Conductivity: 369 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Clearly visible in bottl Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010101916.JPG <h2 style="margin: 0;">2016</h2>

Inspection Date: 9/22/2015 10:09:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 34				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.8 units Temperature: 70 °F Conductivity: 335 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150922091040.JPG <h2 style="margin: 0;">2015</h2>

Inspection Date: 10/9/2014 11:28:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 29				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.34 units Temperature: 57 °F Conductivity: 400 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20141009102622.JPG <h2 style="margin: 0;">2014</h2>

Inspection Date: 10/11/2011 8:41:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully Depth (in): 18				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 72 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111011084038.JPG <h2 style="margin: 0;">2011</h2>

Inspection Date: 5/26/2011 11:01:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully	Depth (in):			
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:		Odor:		
Total Chlorine:	-- ppm	Turbidity:		
Free Chlorine:	-- ppm	Color:		
Ammonia:	-- ppm	Gross Solids:	Moderate	
pH:	-- units	Vegetation:		
Temperature:	-- °F	Benthic Growth:		
Conductivity:	-- µS/cm	Stains:		
Detergents:	-- mg/L	Non-illicit:	None	



o20110526110156.JPG

2011

Inspection Date: 8/17/2010 9:47:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Significant floatable debris in manhole.	
Submerged: Fully	Depth (in): 31			
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:	Pool	Odor:		
Total Chlorine:	0 ppm	Turbidity:	None	
Free Chlorine:	0 ppm	Color:	Faint in bottle	
Ammonia:	0 ppm	Gross Solids:	Severe	
pH:	7.64 units	Vegetation:	None	
Temperature:	74 °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	0 mg/L	Non-illicit:	None	



o20100817093838.JPG

2010

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171017140144.JPG

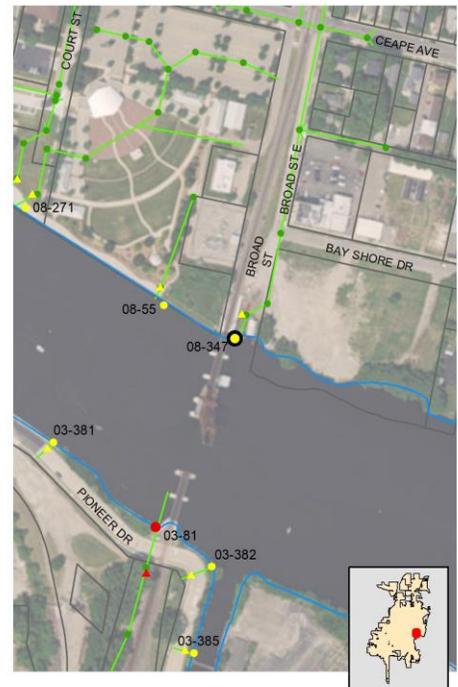
Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,171 Latitude: 44.01205
 Easting: 794,227 Longitude: -88.53335

Location Map



Inspection Date: 10/17/2017 2:04:43 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 08-347 US1. Floating gross solids (litter) in manhole.



o20171017140150.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 10:13:44 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20161010101244.JPG

2016

Inspection Date: 9/22/2015 10:41:14 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20150922094458.JPG

2015

Inspection Date: 10/9/2014 11:13:09 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20141009101330.JPG

2014

Inspection Date: 10/11/2011 8:48:34 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes
2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.

Condition Assessment

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



o20111011084904.JPG

2011

Inspection Date: 8/17/2010 10:13:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti:	None
Total Chlorine: -- ppm	Odor:	None	Erosion:	None
Free Chlorine: -- ppm	Turbidity:	None	Deposition:	None 0 in.
Ammonia: -- ppm	Color:	None	Damage:	None
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20100817100702.JPG

2010

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

08-347

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017140256.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: 10/17/2017 2:07:18 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 46

Illicit Discharge Potential: Potential

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

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171017140304.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-02
 Time Collected: 14:03
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 8.29 units
 Temperature (field): 66 °F
 Conductivity (field): 346 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 5:02:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Partially	Depth (in): 46			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 8.18 units	Gross Solids: Severe	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Temperature 66 °F	Vegetation: None			
Conductivity: 361 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161018170248.JPG

2016

Inspection Date: 9/22/2015 10:46:05 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully	Depth (in): 48			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.33 units	Gross Solids: Moderate	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Temperature 73 °F	Vegetation: None			
Conductivity: 352 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150922094746.JPG

2015

Inspection Date: 10/9/2014 11:17:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully	Depth (in): 43			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.67 units	Gross Solids: Moderate	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Temperature 59 °F	Vegetation: None			
Conductivity: 422 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20141009101552.JPG

2014

Inspection Date: 10/11/2011 8:51:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Floatable debris significantly reduced.
Submerged: Fully	Depth (in): 43			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.87 units	Gross Solids: Slight	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Temperature 71 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			



o20111011085018.JPG

2011

Inspection Date: 5/26/2011 11:05:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully	Depth (in):			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids: Slight			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit: None			



o20110526110604.JPG

2011

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



o20100817100950.JPG

2010

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20171017141254.JPG

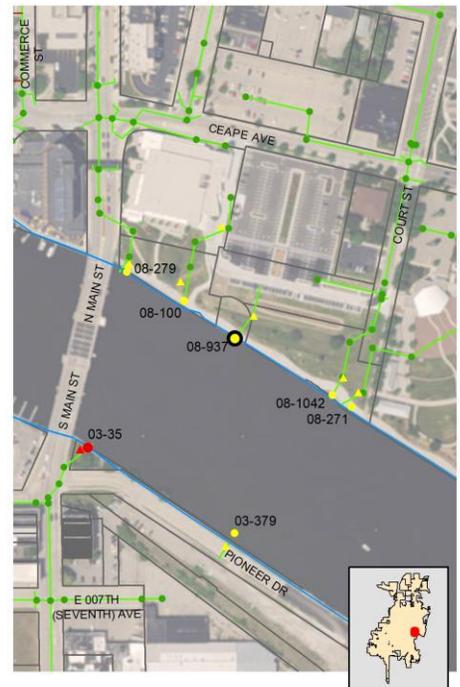
Outfall Notes:

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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 471,674 Latitude: 44.01343
 Easting: 793,433 Longitude: -88.53636

Location Map



Inspection Date: 10/17/2017 2:14:40 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

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

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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



o20171017141254_1.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

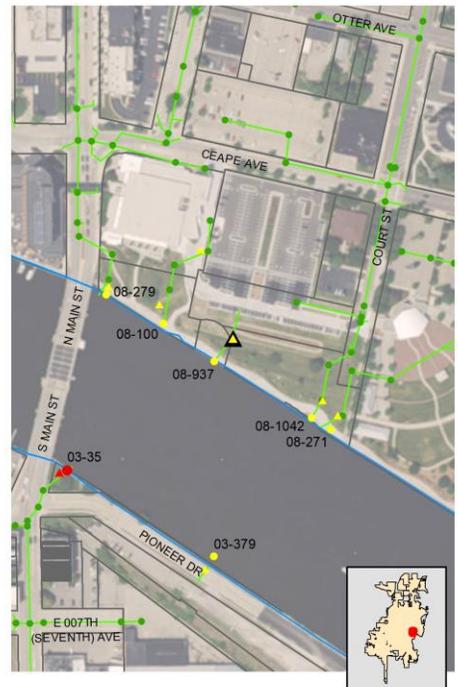
Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 10:03:18 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes	Outfall not located and assumed fully submerged - screened upstream at 08-937 US1.	
		Condition Assessment	Graffiti: None Erosion: None Deposition: None in. Damage: None	
		 o20161010100214.JPG 2016		

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

Location Map



o20171017141420.JPG

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):

Outfall Notes:

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

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 471,729 Latitude: 44.01358

Easting: 793,480 Longitude: -88.53618

Inspection Date: 10/17/2017 2:18:29 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 10

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Ammonia assumed natural decomposition product.



o20171017141426.JPG

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color: Brown

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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-13
 Time Collected: 14:14
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 1 ppm
 pH (field): 6.80 units
 Temperature (field): 67 °F
 Conductivity (field): 690 µS/cm
 Detergents: 0 mg/L

Inspection Date: 10/10/2016 10:06:06 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Partially		Depth (in): 12																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 40px;"> </td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	1 ppm																	
pH:	6.94 units																	
Temperature:	64 °F																	
Conductivity:	752 µS/cm																	
Detergents:	0 mg/L																	
Floatables:	Slight																	
Odor:	None																	
Turbidity:	None																	
Color:	Clearly visible in flow																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	Slight																	
Non-illicit:	Moderate																	



o20161010100336.JPG

2016

Inspection Date: 9/22/2015 12:16:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Fully		Depth (in): 16																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2">Cloudy sheen - did not appear to be typical bacterial sheen.</td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes		Cloudy sheen - did not appear to be typical bacterial sheen.		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Cloudy sheen - did not appear to be typical bacterial sheen.																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
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																	
Floatables:	Moderate																	
Odor:	None																	
Turbidity:	None																	
Color:	None																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	Slight																	
Non-illicit:	None																	



o20150922111710.JPG

2015

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
Vitrified Clay

City ID:
N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

Mapping Precision:
Desktop mapping estimate
 Not Physically Located



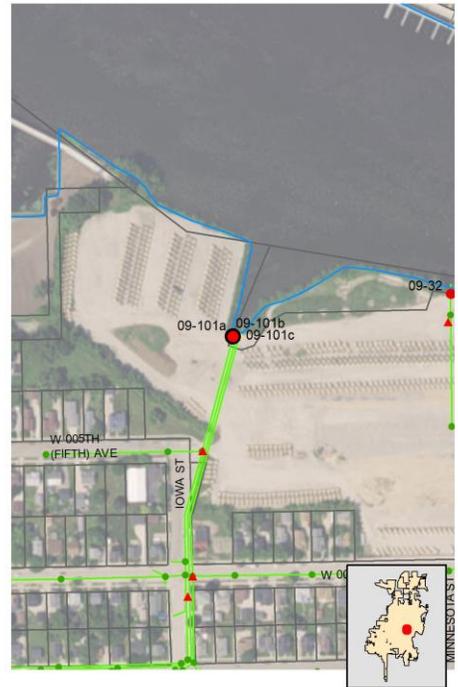
Osh09_DSCN6774.JPG

Outfall Notes:

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

County Coordinates: **Latitude/Longitude:**
 Northing: 471,884 Latitude: 44.01400
 Easting: 790,634 Longitude: -88.54700

Location Map



Inspection Date: 10/18/2017 3:36:30 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall behind locked gate. Screened upstream at 09-101a US1.



o20171018152942.JPG

2017

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

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 4:18:00 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="font-size: 2em; color: orange; font-weight: bold;">Outfall Not Located</div> <div style="font-weight: bold; color: black;">Photo Not Available</div> <div style="font-size: 1.5em; font-weight: bold; color: black; margin-top: 20px;">2016</div>
Submerged: Fully	Depth (in):	Notes Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.		
<i>Sampling Results</i>		Floatables:	None	<div style="font-weight: bold; color: black;">Condition Assessment</div> <div style="display: flex; justify-content: space-between;"> Graffiti: None Erosion: None Deposition: None Damage: None </div>
Sample Location:	Odor:	None		
Total Chlorine: -- ppm	Turbidity:	None		
Free Chlorine: -- ppm	Color:	None		
Ammonia: -- ppm	Gross Solids:	None		
pH: -- units	Vegetation:	None		
Temperature -- °F	Benthic Growth:	None		
Conductivity: -- µS/cm	Stains:	None	in.	
Detergents: -- mg/L	Non-illicit:	None		

Inspection Date: 9/23/2015 8:03:03 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="font-size: 2em; color: orange; font-weight: bold;">Outfall Not Located</div> <div style="font-weight: bold; color: black;">Photo Not Available</div> <div style="font-size: 1.5em; font-weight: bold; color: black; margin-top: 20px;">2015</div>
Submerged: Fully	Depth (in):	Notes Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.		
<i>Sampling Results</i>		Floatables:	None	<div style="font-weight: bold; color: black;">Condition Assessment</div> <div style="display: flex; justify-content: space-between;"> Graffiti: None Erosion: None Deposition: None Damage: None </div>
Sample Location:	Odor:	None		
Total Chlorine: -- ppm	Turbidity:	None		
Free Chlorine: -- ppm	Color:	None		
Ammonia: -- ppm	Gross Solids:	None		
pH: -- units	Vegetation:	None		
Temperature -- °F	Benthic Growth:	None		
Conductivity: -- µS/cm	Stains:	None	in.	
Detergents: -- mg/L	Non-illicit:	None		

Inspection Date: 8/18/2010 10:55:07 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="font-size: 2em; color: orange; font-weight: bold;">Outfall Not Located</div>  <div style="font-size: 0.8em; font-weight: bold; color: black; margin-top: 5px;">o20100818104726.JPG</div> <div style="font-size: 1.5em; font-weight: bold; color: black; margin-top: 20px;">2010</div>
Submerged: Partially	Depth (in):	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 09-101a US1.		
<i>Sampling Results</i>		Floatables:	None	<div style="font-weight: bold; color: black;">Condition Assessment</div> <div style="display: flex; justify-content: space-between;"> Graffiti: None Erosion: None Deposition: None Damage: None </div>
Sample Location:	Odor:	None		
Total Chlorine: -- ppm	Turbidity:	None		
Free Chlorine: -- ppm	Color:	None		
Ammonia: -- ppm	Gross Solids:	None		
pH: -- units	Vegetation:	None		
Temperature -- °F	Benthic Growth:	None		
Conductivity: -- µS/cm	Stains:	None	0 in.	
Detergents: -- mg/L	Non-illicit:	None		

Inspection Date: 9/10/2009		Type: Initial	Flow:	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="font-size: 2em; color: orange; font-weight: bold;">Outfall Not Located</div>  <div style="font-size: 0.8em; font-weight: bold; color: black; margin-top: 5px;">Osh09_DSCN6774.JPG</div> <div style="font-size: 1.5em; font-weight: bold; color: black; margin-top: 20px;">2009</div>
Submerged: Partially	Depth (in):	Notes		
<i>Sampling Results</i>		Floatables:	None	<div style="font-weight: bold; color: black;">Condition Assessment</div> <div style="display: flex; justify-content: space-between;"> Graffiti: None Erosion: None Deposition: None Damage: None </div>
Sample Location:	Odor:	None		
Total Chlorine: -- ppm	Turbidity:	None		
Free Chlorine: -- ppm	Color:	None		
Ammonia: -- ppm	Gross Solids:	None		
pH: -- units	Vegetation:	None		
Temperature -- °F	Benthic Growth:	None		
Conductivity: -- µS/cm	Stains:	None	0 in.	
Detergents: -- mg/L	Non-illicit:	None		

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):



o20171018153018.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: 10/18/2017 3:35:01 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 26

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018153026.JPG

Floatables: None Petrol. Sheen Suds Sewage Algae Other

Odor: Faint Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity: Slight cloudiness

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-12

Time Collected: 15:32

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.85 units

Temperature (field): 66 °F

Conductivity (field): 1169 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 4:18:25 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 28

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Cloudy
Ammonia:	0 ppm	Color:	None
pH:	7.93 units	Gross Solids:	None
Temperature:	67 °F	Vegetation:	None
Conductivity:	1231 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161018161534.JPG

2016

Inspection Date: 9/23/2015 8:04:12 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 24

Sampling Results

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

Notes

Condition Assessment

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



o20150923070520.JPG

2015

Inspection Date: 8/18/2010 10:47:15 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 24

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.65 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20100818103836.JPG

2010

Inspection Date: 9/10/2009 **Type:** Initial **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 22

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	8.19 units	Gross Solids:	None
Temperature:	74 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



Osh09_DSCN6777.JPG

2009

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
Cast Iron

City ID:
N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171017130154.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: **Latitude/Longitude:**
 Northing: 478,060 Latitude: 44.03095
 Easting: 797,503 Longitude: -88.52090

Not Physically Located

Inspection Date: 10/17/2017 1:03:56 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 11-376 US1. Floating gross solids (litter) in manhole.



o20171017130204.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 7:43:58 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

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

<i>Condition Assessment</i>	
Graffiti: None	
Erosion: None	
Deposition: None	in.
Damage: None	



o20161019074246.JPG

2016

Inspection Date: 9/24/2015 9:06:24 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
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: Moderate

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

<i>Condition Assessment</i>	
Graffiti: None	
Erosion: None	
Deposition: None	in.
Damage: None	



o20150924081044.JPG

2015

Inspection Date: 10/9/2014 1:35:21 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

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

<i>Condition Assessment</i>	
Graffiti: None	
Erosion: None	
Deposition: None	in.
Damage: None	



o20141009123438.JPG

2014

Inspection Date: 10/4/2011 9:20:16 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

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

<i>Condition Assessment</i>	
Graffiti: None	
Erosion: None	
Deposition: None	0 in.
Damage: None	



o20111004092048.JPG

2011

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



o20110510122252.JPG

2011

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

Photo Not Available

2009

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

11-376



o20171017130248.JPG

Outfall Notes:

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

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

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: 10/17/2017 1:07:06 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 79

Illicit Discharge Potential: Potential

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



o20171017130258.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-23

Time Collected: 13:02

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.62 units

Temperature (field): 67 °F

Conductivity (field): 829 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2016 7:46:56 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully Depth (in): 79				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.89 units Temperature: 58 °F Conductivity: 357 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161019074410.JPG <h2 style="margin: 0;">2016</h2>

Inspection Date: 9/24/2015 9:10:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 81				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.88 units Temperature: 68 °F Conductivity: 397 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150924081150.JPG <h2 style="margin: 0;">2015</h2>

Inspection Date: 10/9/2014 1:36:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Floating gross solids (litter) in manhole.
Submerged: Fully Depth (in): 74				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.76 units Temperature: 59 °F Conductivity: 381 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20141009123616.JPG <h2 style="margin: 0;">2014</h2>

Inspection Date: 10/4/2011 9:23:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Fully Depth (in): 79				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.76 units Temperature: 62 °F Conductivity: -- 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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111004092208.JPG <h2 style="margin: 0;">2011</h2>

Inspection Date: 5/10/2011 12:23:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Limited screening conducted for upstream manhole prescreening.	
Submerged: Fully		Depth (in):	Condition Assessment	
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: _____ Turbidity: _____ Color: _____ Gross Solids: Severe Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510122336.JPG 2011	

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

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Arch

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in):
Height/Depth (in): 24
Width (in): 35



o20171017131902.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: **Latitude/Longitude:**
Northing: 473,370 Latitude: 44.01809
Easting: 798,806 Longitude: -88.51594

Inspection Date: 10/17/2017 1:20:48 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 11-512 US1. Floating gross solids (litter) in manhole.



o20171017131910.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 11:04:16 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



o20161010110406.JPG

2016

Inspection Date: 9/22/2015 7:03:32 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment:

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



o20150922060708.JPG

2015

Inspection Date: 10/9/2014 12:48:49 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

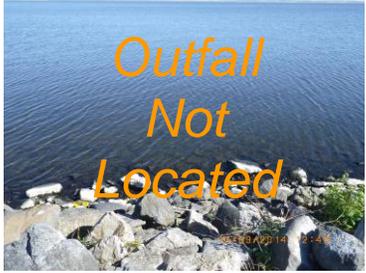
Sampling Results

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

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

Condition Assessment:

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



o20141009114820.JPG

2014

Inspection Date: 9/27/2012 8:21:03 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes: Outfall fully submerged; screened upstream at 11-512 US1.

Condition Assessment:

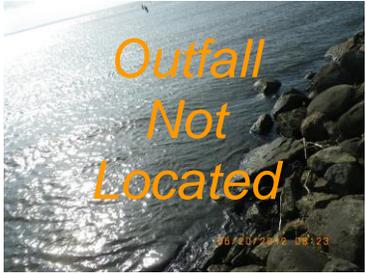
Graffiti:	None
Erosion:	None
Deposition:	None in.
Damage:	None



o20120927072324.JPG

2012

Inspection Date: 6/20/2012 8:23:31 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Gross solids pre-screening	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120620072350.JPG

2012

Inspection Date: 10/3/2011 12:09:11 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None 0 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111003121010.JPG

2011

Inspection Date: 5/10/2011 9:08:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:			Graffiti: None	
Total Chlorine: -- ppm	Odor:		Erosion: None	
Free Chlorine: -- ppm	Turbidity:		Deposition: None 0 in.	
Ammonia: -- ppm	Color:		Damage: None	
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		



o20110510090810.JPG

2011

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

11-512

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017131918.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: 10/17/2017 1:23:39 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 35

Illicit Discharge Potential: Potential

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



o20171017131930.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-22
 Time Collected: 13:20
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.47 units
 Temperature (field): 67 °F
 Conductivity (field): 581 μS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 11:07:16 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 35

Notes

Potential illicit discharge due to gross solids.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.63 units	Gross Solids:	Severe
Temperature:	65 °F	Vegetation:	None
Conductivity:	514 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None



o20161010110444.JPG

2016

Inspection Date: 9/22/2015 7:04:46 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 37

Notes

Floating gross solids (litter) in manhole.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.93 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



o20150922060832.JPG

2015

Inspection Date: 10/9/2014 12:52:08 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 39

Notes

Floating gross solids (litter) in manhole.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	7.57 units	Gross Solids:	Moderate
Temperature:	62 °F	Vegetation:	None
Conductivity:	548 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None



o20141009115024.JPG

2014

Inspection Date: 9/27/2012 8:22:20 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in): 34

Notes

2011 gross solids follow-up.

Condition Assessment

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

Sampling Results

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



o20120927072438.JPG

2012

Inspection Date: 6/20/2012 8:24:06 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 24-48

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 40

Notes
Gross solids pre-screening.

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	None
Free Chlorine: -- ppm	Turbidity:	None
Ammonia: -- ppm	Color:	None
pH: -- units	Gross Solids:	Severe
Temperature -- °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	None
Detergents: -- mg/L	Stains:	None
	Non-illicit:	None

Condition Assessment

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



o20120620072408.JPG

2012

Inspection Date: 10/3/2011 12:13:00 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 36

Notes
Significant floatable debris in manhole.

Sampling Results

Sample Location: Pool	Floatables:	None
Total Chlorine: 0 ppm	Odor:	None
Free Chlorine: 0 ppm	Turbidity:	None
Ammonia: 0 ppm	Color:	None
pH: 7.39 units	Gross Solids:	Severe
Temperature 67 °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	None
Detergents: 0 mg/L	Stains:	None
	Non-illicit:	None

Condition Assessment

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



o20111003121302.JPG

2011

Inspection Date: 5/10/2011 9:08:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 0-24

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

Notes
Limited screening conducted for upstream manhole prescreening.

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	
Free Chlorine: -- ppm	Turbidity:	
Ammonia: -- ppm	Color:	
pH: -- units	Gross Solids:	Severe
Temperature -- °F	Vegetation:	
Conductivity: -- µS/cm	Benthic Growth:	
Detergents: -- mg/L	Stains:	
	Non-illicit:	None

Condition Assessment

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



o20110510090830.JPG

2011

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):



o20171018101410.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: **Latitude/Longitude:**
 Northing: 479,314 Latitude: 44.03438
 Easting: 786,529 Longitude: -88.56263

Inspection Date: 10/18/2017 10:17:17 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on nearby bridge abutment. Floating gross solids (litter) in MH.



o20171018101412.JPG

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

2017

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: Minor

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 1:26:15 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

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

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



o20161010132600.JPG

2016

Inspection Date: 9/23/2015 11:06:02 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

Notes
Outfall fully submerged and not located - screened at 12-569 US1.

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



o20150923100828.JPG

2015

Inspection Date: 10/7/2014 7:38:26 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

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

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



o20141007063712.JPG

2014

Inspection Date: 10/11/2011 1:49:07 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
Sample Location:	Floatables: None
Total Chlorine: -- ppm	Odor: None
Free Chlorine: -- ppm	Turbidity: None
Ammonia: -- ppm	Color: None
pH: -- units	Gross Solids: None
Temperature -- °F	Vegetation: None
Conductivity: -- µS/cm	Benthic Growth: None
Detergents: -- mg/L	Stains: None
	Non-illicit: None

Notes
2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.

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



o20111011134840.JPG

2011

Inspection Date: 8/19/2010 2:37:50 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																										
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.																											
Submerged: Fully	Depth (in):																													
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- °F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- °F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:	Floatables:	None																												
Total Chlorine: -- ppm	Odor:	None																												
Free Chlorine: -- ppm	Turbidity:	None																												
Ammonia: -- ppm	Color:	None																												
pH: -- units	Gross Solids:	None																												
Temperature -- °F	Vegetation:	None																												
Conductivity: -- µS/cm	Benthic Growth:	None																												
Detergents: -- mg/L	Stains:	None																												
	Non-illicit:	None																												
			 <p style="font-size: small; margin-top: 5px;">o20100819143022.JPG</p> <p style="font-size: x-large; font-weight: bold; margin-top: 10px;">2010</p>																											

Location Map



o20171018101530.JPG

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):

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: 10/18/2017 10:20:25 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 39

Illicit Discharge Potential: Potential

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



o20171018101542.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-43
 Time Collected: 10:16
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.44 units
 Temperature (field): 65 °F
 Conductivity (field): 1118 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 1:30:04 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 38

Notes

Potential illicit discharge due to gross solids.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	Clearly visible in bottl
pH:	7.41 units	Gross Solids:	Moderate
Temperature:	69 °F	Vegetation:	None
Conductivity:	616 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None



o20161010132718.JPG

2016

Inspection Date: 9/23/2015 11:06:51 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 40

Notes

Floating gross solids (litter) in manhole.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.5 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

2015

Inspection Date: 10/7/2014 7:39:34 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 34

Notes

Floating gross solids (litter) in manhole.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.66 units	Gross Solids:	Moderate
Temperature:	59 °F	Vegetation:	None
Conductivity:	771 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None



o20141007063948.JPG

2014

Inspection Date: 10/11/2011 1:51:24 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in): 32

Notes

2010 screening follow-up. Floatable debris significantly reduced.

Condition Assessment

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	8.63 units	Gross Solids:	None
Temperature:	73 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	None
		Non-illicit:	None



o20111011134946.JPG

2011

Inspection Date: 5/26/2011 2:40:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully	Depth (in):			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm		Odor:		
Free Chlorine: -- ppm		Turbidity:		
Ammonia: -- ppm		Color:		
pH: -- units		Gross Solids: None		
Temperature -- °F		Vegetation:		
Conductivity: -- µS/cm		Benthic Growth:		
Detergents: -- mg/L		Stains:		
		Non-illicit: None		



o20110526144100.JPG

2011

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



o20100819143434.JPG

2010

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Elliptical

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72



o20171018100250.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: **Latitude/Longitude:**
 Northing: 481,155 Latitude: 44.03942
 Easting: 785,844 Longitude: -88.56524

Inspection Date: 10/18/2017 10:05:54 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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



o20171018100254.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 1:14:55 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20161010131430.JPG

2016

Inspection Date: 9/23/2015 3:11:43 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20150923141532.JPG

2015

Inspection Date: 10/9/2014 7:43:34 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20141009064412.JPG

2014

Inspection Date: 8/19/2010 1:47:19 PM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

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

Condition Assessment

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



o20100819133944.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																											
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; height: 80px; width: 100%;"></div> <p>Notes</p>																																												
Submerged: Fully	Depth (in):																																														
<p><i>Sampling Results</i></p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black;"> <table 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> </td> <td style="width: 50%;"> <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> </td> </tr> </table>		<table 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 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	<p>Condition Assessment</p> <table style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
<table 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 style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None												
Sample Location:																																															
Total Chlorine:	-- ppm																																														
Free Chlorine:	-- ppm																																														
Ammonia:	-- ppm																																														
pH:	-- units																																														
Temperature:	-- °F																																														
Conductivity:	-- µS/cm																																														
Detergents:	-- mg/L																																														
Floatables:	None																																														
Odor:	None																																														
Turbidity:	None																																														
Color:	None																																														
Gross Solids:	None																																														
Vegetation:	None																																														
Benthic Growth:	None																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None 0 in.																																														
Damage:	None																																														
			 <p style="font-size: small;">Osh09_DSCN6673.JPG</p> <p style="font-size: large; font-weight: bold;">2009</p>																																												

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-576

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018100358.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: 10/18/2017 10:08:19 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 69

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171018100406.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-84
 Time Collected: 10:05
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.94 units
 Temperature (field): 65 °F
 Conductivity (field): 650 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 1:17:02 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 69

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.67 units
Temperature:	67 °F
Conductivity:	496 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	Slight
Non-illicit:	None

Notes

Condition Assessment

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



o20161010131500.JPG

2016

Inspection Date: 9/23/2015 3:14:15 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 70

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	8.45 units
Temperature:	75 °F
Conductivity:	361 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	Slight
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Notes

Condition Assessment

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



o20150923141608.JPG

2015

Inspection Date: 10/9/2014 7:46:02 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Fully Depth (in): 66

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.38 units
Temperature:	53 °F
Conductivity:	663 µS/cm
Detergents:	0 mg/L

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

Notes

Floating gross solids (litter) inside manhole.

Condition Assessment

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



o20141009064434.JPG

2014

Inspection Date: 8/19/2010 1:50:40 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 72

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.85 units
Temperature:	76 °F
Conductivity:	-- µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	Faint in bottle
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Moderate
Stains:	Slight
Non-illicit:	None

Notes

Condition Assessment

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



o20100819134200.JPG

2010

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Abnormal detergent analysis result (bubbles). Significant floatables (bottles) in manhole.																																				
Submerged: Fully	Depth (in): 68																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>8.46 units</td> <td>Gross Solids:</td> <td>Severe</td> </tr> <tr> <td>Temperature:</td> <td>69 °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:	8.46 units	Gross Solids:	Severe	Temperature:	69 °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	0 mg/L	Stains:	None			Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:	Pool	Floatables:	None																																				
Total Chlorine:	0 ppm	Odor:	None																																				
Free Chlorine:	0 ppm	Turbidity:	None																																				
Ammonia:	-- ppm	Color:	None																																				
pH:	8.46 units	Gross Solids:	Severe																																				
Temperature:	69 °F	Vegetation:	None																																				
Conductivity:	-- µS/cm	Benthic Growth:	None																																				
Detergents:	0 mg/L	Stains:	None																																				
		Non-illicit:	None																																				
			 <p>Osh09_DSCN6675.JPG</p> <p style="font-size: 24pt; font-weight: bold;">2009</p>																																				

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
PVC

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171018094806.JPG

Outfall Notes:

Storm sewer from Algoma Blvd and cemetery discharges to river from east.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 483,806 Latitude: 44.04669
 Easting: 784,550 Longitude: -88.57017

Inspection Date: 10/18/2017 9:51:15 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 15

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 12-1313 US1.



o20171018094812.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 12:50:26 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20161010124844.JPG
Submerged: Partially Depth (in): 17		Notes Submerged depth estimated. Outfall partially submerged - screened upstream at 12-1313 US1.		
Sampling Results		Condition Assessment		2016
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Severe			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Inspection Date: 9/23/2015 2:02:54 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20150923130558.JPG
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened at 12-1313 US1.		
Sampling Results		Condition Assessment		2015
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

Inspection Date: 8/19/2010 12:09:32 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20100819120152.JPG
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 12-1313 US1.		
Sampling Results		Condition Assessment		2010
Sample Location:	Floatables: None	Graffiti: None	Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			

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):



o20171018095030.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: 10/18/2017 9:55:58 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018095044.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-24
 Time Collected: 09:52
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.80 units
 Temperature (field): 65 °F
 Conductivity (field): 797 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 12:53:53 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 13

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	Faint
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.42 units	Gross Solids:	None
Temperature:	67 °F	Vegetation:	None
Conductivity:	759 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161010125134.JPG

2016

Inspection Date: 9/23/2015 2:07:15 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 16

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.8 units	Gross Solids:	None
Temperature:	76 °F	Vegetation:	None
Conductivity:	413 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20150923130846.JPG

2015

Inspection Date: 8/19/2010 12:12:14 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 15

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	Faint in bottle
pH:	7.38 units	Gross Solids:	None
Temperature:	78 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20100819120420.JPG

2010

Priority Outfall

Location Map

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171018093112.JPG

Outfall Notes:

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



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: 10/18/2017 9:40:26 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None Depth (in):

Illicit Discharge Potential: Potential

Notes: Elevated pH in sample from trickle flow. No flow in upstream curb inlet at time of inspection.



o20171018093128.JPG

- 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

2017

Sampling Results

Sample Location: Flow
 Sample ID: 171018-04
 Time Collected: 09:36
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 9.23 units
 Temperature (field): 65 °F
 Conductivity (field): 1563 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 12:26:38 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Elevated pH, but not as high as 2015 screening. Possible residual in upstream pipe.
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 9.45 units Temperature: 64 °F Conductivity: 880 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161010122036.JPG 2016

Inspection Date: 9/23/2015 12:56:15 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		Notes White silty discharge. Chlorine patches turned yellow (not on scale). Elevated pH and conductivity.
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: 1 ppm pH: 11.66 units Temperature: 73 °F Conductivity: 2470 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20150923115508.JPG 2015

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 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: 10/19/2017 11:22:01 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 23

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged flow at end of pipe. Photo not available.

- 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

Photo Not Available

2017

Sampling Results

Sample Location: Flow
Sample ID: 171019-17
Time Collected: 11:20
Total Chlorine (field): 0 ppm
Free Chlorine (field): 0 ppm
Ammonia (field): 0 ppm
pH (field): 7.29 units
Temperature (field): 65 °F
Conductivity (field): 1404 µS/cm
Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 16
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 3:04:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged - screened upstream at 13-1098 US1. End of pipe recently excavated.
Submerged: Partially	Depth (in): 22			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: Severe 16 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	-- mg/L	Non-illicit:	None	



o20161019150326.JPG

2016

Inspection Date: 9/24/2015 3:10:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall not located - screened at 13-1098 US1.
Submerged: None	Depth (in):			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	-- mg/L	Non-illicit:	None	



o20150924141536.JPG

2015

Inspection Date: 7/30/2013 7:57:44 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.
Submerged: Fully	Depth (in):			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	-- mg/L	Non-illicit:	None	



o20130730070410.JPG

2013

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Partially	Depth (in): 23			
<i>Sampling Results</i>		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: 18 in. Damage: None
Sample Location:		Odor:		
Total Chlorine:	-- ppm	Turbidity:		
Free Chlorine:	-- ppm	Color:		
Ammonia:	-- ppm	Gross Solids:		
pH:	-- units	Vegetation:		
Temperature:	-- °F	Benthic Growth:		
Conductivity:	-- µS/cm	Stains:		
Detergents:	-- mg/L	Non-illicit:	None	



Osh09_DSCN6427.JPG

2009

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):

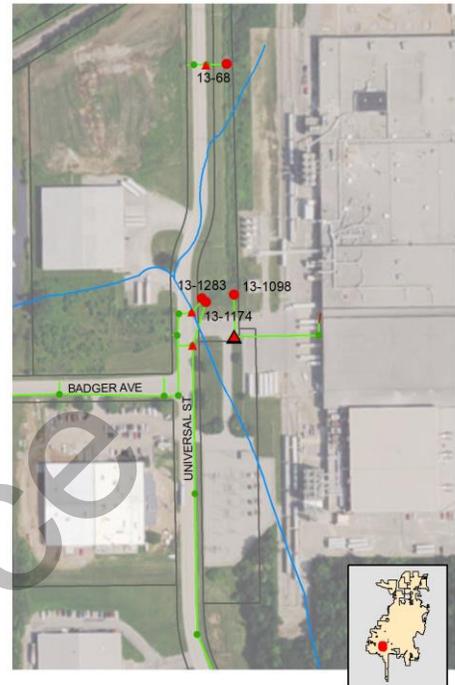
Width (in):



o20161019150604.JPG

Outfall Notes:

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.



Mapping Precison:

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

Notes:

Submerged: Partially Depth (in): 16

Illicit Discharge Potential: Unlikely



o20161019150612.JPG

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

2016

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

Inspection Date: 9/24/2015 3:16:16 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																																									
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20150924141732.JPG</p>																																									
Submerged: Partially Depth (in): 20				Trash around inlet grate, but none in storm sewer.																																											
Sampling Results				Condition Assessment		<p>2015</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>7.1 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1386 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:	7.1 units	Temperature:	70 °F	Conductivity:	1386 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>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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.
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Odor:	None																																														
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Gross Solids:	Slight																																														
Vegetation:	None																																														
Benthic Growth:	Slight																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None in.																																														
Damage:	None																																														

Inspection Date: 7/30/2013 8:33:34 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																																									
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20130730073636.JPG</p>																																									
Submerged: Partially Depth (in): 22																																															
Sampling Results				Condition Assessment		<p>2013</p>																																									
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Sample Location:	Pool																																														
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Vegetation:	None																																														
Benthic Growth:	None																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	Minor 2 in.																																														
Damage:	None																																														

Inspection Date: 9/3/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																																									
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>Osh09_DSCN6853.JPG</p>																																									
Submerged: Partially Depth (in): 13																																															
Sampling Results				Condition Assessment		<p>2009</p>																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>7.09 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:	-- ppm	pH:	7.09 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></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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.
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Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None 0 in.																																														
Damage:	None																																														

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20171019110632.JPG

Outfall Notes:
Universal St storm sewer discharges to stream from east.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 461,358 Latitude: 43.98510
Easting: 778,523 Longitude: -88.59299

Location Map



Inspection Date: 10/19/2017 11:10:14 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Trickle
Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Sample collected from flow from end of pipe.

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



o20171019110648.JPG

2017

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Sampling Results

Sample Location: Pool

Sample ID: 171019-45

Time Collected: 11:11

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.32 units

Temperature (field): 64 °F

Conductivity (field): 1586 µS/cm

Detergents: 0.3 mg/L

Inspection Date: 10/19/2016 2:54:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: Partially Depth (in): 2		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.3 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>1979 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		<i>Sampling Results</i>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.3 units	Temperature:	66 °F	Conductivity:	1979 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None
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Odor:	None																																																	
Turbidity:	None																																																	
Color:	None																																																	
Gross Solids:	None																																																	
Vegetation:	None																																																	
Benthic Growth:	Moderate																																																	
Stains:	None																																																	
Non-illicit:	None																																																	
Condition Assessment																																																		
Graffiti:	None																																																	
Erosion:	None																																																	
Deposition:	None																																																	
Damage:	None																																																	
			 <p style="text-align: center;">o20161019145234.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>																																															

Inspection Date: 9/24/2015 2:14:57 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: None Depth (in):		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.31 units	Temperature:	70 °F	Conductivity:	1648 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None
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Erosion:	None																																																	
Deposition:	None																																																	
Damage:	None																																																	
			 <p style="text-align: center;">o20150924131716.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>																																															

Inspection Date: 7/30/2013 6:33:19 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: None Depth (in):		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.38 units	Temperature:	63 °F	Conductivity:	1764 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	Minor	Damage:	None
<i>Sampling Results</i>																																																		
Sample Location:	Flow																																																	
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Benthic Growth:	Slight																																																	
Stains:	Moderate																																																	
Non-illicit:	None																																																	
Condition Assessment																																																		
Graffiti:	None																																																	
Erosion:	None																																																	
Deposition:	Minor																																																	
Damage:	None																																																	
			 <p style="text-align: center;">o20130730053908.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>																																															

Priority Outfall

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

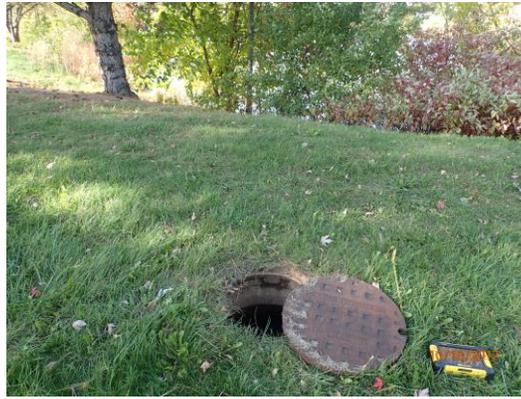
N/A

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018160256.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: 10/18/2017 4:09:29 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Potential

Notes: Sample collected from submerged flow near orifice on inlet pipe. Elevated ammonia in sample.

- Floatables: Petrol. Sheen Sewage Algae Other
- Odor: Petroleum Musty Sewage Chlorine Other
- VOC/Solvent Fishy Sulfur Fragrant
- Turbidity:
- Color: Dark/Black
- 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



o20171018160304.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-90
 Time Collected: 16:05
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 3 ppm
 pH (field): 7.69 units
 Temperature (field): 66 °F
 Conductivity (field): 488 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 1:54:34 PM **Type:** Ongoing **Flow:** Submerged, slight flow **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 3

Sampling Results

Sample Location:	Flow	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Cloudy
Ammonia:	0 ppm	Color:	None
pH:	7.91 units	Gross Solids:	None
Temperature:	67 °F	Vegetation:	None
Conductivity:	649 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	Severe
		Non-illicit:	Slight

Notes: Sample collected from area where car wash pipe enters manhole.

Condition Assessment

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



o20161019135400.JPG

2016

Inspection Date: 9/24/2015 1:32:25 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 3

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	Clearly visible in bottl
pH:	7.96 units	Gross Solids:	None
Temperature:	71 °F	Vegetation:	None
Conductivity:	572 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	None

Notes:

Condition Assessment

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



o20150924123444.JPG

2015

Inspection Date: 10/7/2014 12:25:27 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 2

Sampling Results

Sample Location:	Pool	Floatables:	Slight
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	Faint in bottle
pH:	8.1 units	Gross Solids:	None
Temperature:	-- °F	Vegetation:	None
Conductivity:	618 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Severe
		Non-illicit:	None

Notes:

Condition Assessment

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



o20141007112352.JPG

2014

Inspection Date: 7/31/2013 12:07:12 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 2

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	1 ppm	Color:	None
pH:	7.81 units	Gross Solids:	None
Temperature:	75 °F	Vegetation:	None
Conductivity:	632 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	None

Notes:

Condition Assessment

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



o20130731111022.JPG

2013

Inspection Date: 9/27/2012 10:59:11 AM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Ammonia/detergent follow-up.	
Submerged: Partially	Depth (in): 2			
Sampling Results 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		Floatables: None Odor: None Turbidity: Slight cloudiness Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120927100116.JPG 2012	

Inspection Date: 6/12/2012 11:42:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Black pool on flowline with petroleum odor.	
Submerged: Partially	Depth (in): 2			
Sampling Results 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		Floatables: None Odor: Faint Turbidity: Cloudy Color: Clearly visible in bottl Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: Moderate	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120612104548.JPG 2012	

Non-Priority Non-Major Outfall

Location Map

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Supplemental Outfall

Shape:
Pipe - Circular

Material:
PVC

City ID:
N/A



o20171019105604.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.

Dimensions

Diameter (in): 18
Height/Depth (in):
Width (in):

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: 10/19/2017 10:58:12 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall not located - screened upstream at 13-1718 US1.



o20171019105604.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 2:43:31 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	End of pipe/manhole not located - screened upstream at 13-1718 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	in.	
		Damage: None		



o20161019144214.JPG

2016

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):		
<i>Sampling Results</i>		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			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	in.	
		Damage: None		



o20150924133032.JPG

2015

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):

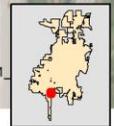
Width (in):



o20171019105802.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: 10/19/2017 11:00:43 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Manhole dry at time of inspection.

Floatables: 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



o20171019105810.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 2:45:15 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <small>o20161019144328.JPG</small> 2016
Submerged: None	Depth (in):	Notes Manhole dry at time of inspection.		
<i>Sampling Results</i>		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		

Inspection Date: 9/24/2015 2:30:19 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <small>o20150924133136.JPG</small> 2015
Submerged: None	Depth (in):	Notes Flowline damp, but no flow at time of inspection.		
<i>Sampling Results</i>		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 30
Height/Depth (in):
Width (in):

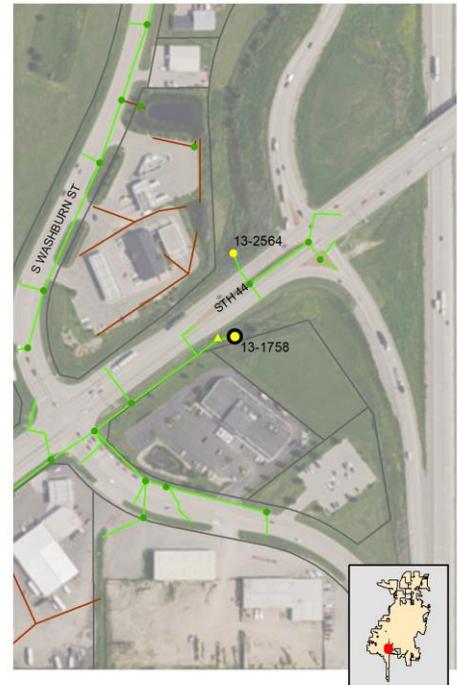


o20171019103616.JPG

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: 10/19/2017 10:43:36 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 13-1758 US1.



o20171019103654.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 8
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 2:28:19 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	Easily detected		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: Moderate 13 in.		
		Damage: None		



o20161019142738.JPG

2016

Inspection Date: 9/24/2015 1:57:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: Moderate 8 in.		
		Damage: None		



o20150924125956.JPG

2015

Inspection Date: 10/7/2014 11:57:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 26		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: Moderate 8 in.		
		Damage: None		



o20141007105524.JPG

2014

Inspection Date: 7/30/2013 7:19:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	Slight		
Total Chlorine: -- ppm	Odor:	Faint		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: Moderate 10 in.		
		Damage: None		



o20130730062618.JPG

2013

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):

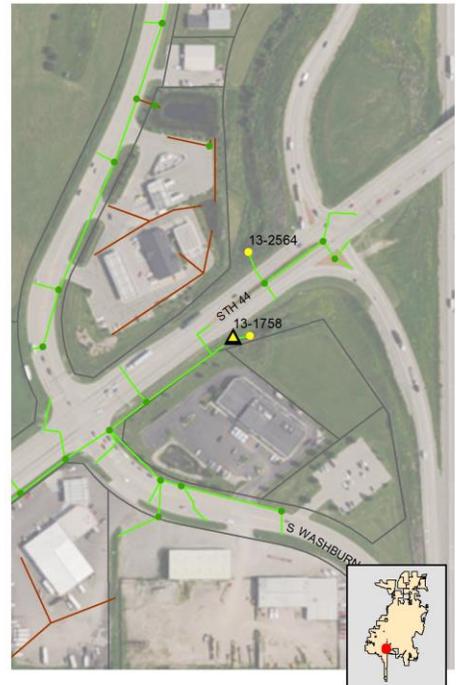
Width (in):



o20171019104448.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: 10/19/2017 10:48:33 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171019104456.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171019-55
 Time Collected: 10:45
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.79 units
 Temperature (field): 64 °F
 Conductivity (field): 1902 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 2:33:00 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 24

Notes

Concrete washout on ground near manhole.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.72 units	Gross Solids:	Moderate
Temperature:	67 °F	Vegetation:	None
Conductivity:	1270 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	None

Condition Assessment

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



o20161019143020.JPG

2016

Inspection Date: 9/24/2015 2:02:47 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 22

Notes

No remaining evidence of former petroleum discharge.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	7.66 units	Gross Solids:	None
Temperature:	72 °F	Vegetation:	None
Conductivity:	1138 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	Slight

Condition Assessment

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



o20150924130406.JPG

2015

Inspection Date: 10/7/2014 12:02:49 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 22

Notes

Floating gross solids (litter) in manhole.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.72 units	Gross Solids:	Moderate
Temperature:	-- °F	Vegetation:	None
Conductivity:	1629 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	None

Condition Assessment

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



o20141007110058.JPG

2014

Inspection Date: 7/30/2013 7:22:47 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 27

Notes

Petroleum odor still present. Slight sheen observed.

Sampling Results

Sample Location:	Pool	Floatables:	Moderate
Total Chlorine:	0 ppm	Odor:	Easily detected
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.6 units	Gross Solids:	Slight
Temperature:	67 °F	Vegetation:	None
Conductivity:	1071 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Severe
		Non-illicit:	None

Condition Assessment

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



o20130730062844.JPG

2013

Inspection Date: 10/19/2016 3:20:01 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20161019151808.JPG 2016
Submerged: None Depth (in):		Notes		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.07 units Temperature: 66 °F Conductivity: 1396 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/28/2015 10:08:12 AM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 o20150928090940.JPG 2015
Submerged: None Depth (in):		Notes		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.07 units Temperature: 70 °F Conductivity: 455 µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/19/2016 12:51:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
<u>Sampling Results</u>		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:	Slight		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20161019124922.JPG

2016

Inspection Date: 9/24/2015 12:34:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
<u>Sampling Results</u>		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:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20150924113630.JPG

2015

Inspection Date: 10/7/2014 1:07:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
<u>Sampling Results</u>		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:	Moderate		
Detergents: -- mg/L	Stains:	Severe		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20141007120544.JPG

2014

Inspection Date: 7/31/2013 10:23:22 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
<u>Sampling Results</u>		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:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130731092642.JPG

2013

Inspection Date: 9/27/2012 11:43:23 AM **Type:** Repeat **Flow:** Submerged, slight flow **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Partially Depth (in): 6

Notes
Gel-like sheen on surface of stream. Outfall partially submerged; additional screening upstream at 14-582 US7.

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.77 units	Gross Solids:	None
Temperature:	64 °F	Vegetation:	None
Conductivity:	1077 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	Severe
		Non-illicit:	None



o20120927103918.JPG

2012

Inspection Date: 9/5/2012 11:52:00 AM **Type:** Complaint **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Partially Depth (in): 12

Notes
Dark black substance in water around outfall and bridge. Sample collected from stream.

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

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	Noticeable from a dist
Free Chlorine:	0 ppm	Turbidity:	Cloudy
Ammonia:	0 ppm	Color:	Clearly visible in flow
pH:	75 units	Gross Solids:	None
Temperature:	-- °F	Vegetation:	None
Conductivity:	1419 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None



o20120905105212.JPG

2012

Inspection Date: 6/20/2012 12:02:16 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 24-48

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Partially Depth (in): 12

Notes
Outfall partially submerged; screened upstream at 14-582 US7.

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

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	None
Temperature:	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Moderate
Detergents:	-- mg/L	Stains:	None
		Non-illicit:	None



o20120620110152.JPG

2012

Inspection Date: 10/5/2011 12:26:00 PM **Type:** Repeat **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Obvious** **Inspector:** JCW

Submerged: Partially Depth (in):

Notes
Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.

Condition Assessment
Graffiti:
Erosion:
Deposition: in.
Damage:

Sampling Results

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



o20111005122620.JPG

2011

Inspection Date: 5/26/2011 12:21:00 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.	
Submerged: Partially	Depth (in):			
Sampling Results Sample Location: Pool Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Noticeable from a dist Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit:	Condition Assessment Graffiti: Erosion: Deposition: in. Damage:	
			 o20110526112114.jpg 2011	

Inspection Date: 5/12/2011 1:03:00 PM		Type: Complaint	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes Responded to complaint about discharge from pipe. Outfall partially submerged. Yellow pool at end of pipe. Chemical smell inside pipe.	
Submerged: Partially	Depth (in):			
Sampling Results Sample Location: Pool Total Chlorine: 2 ppm Free Chlorine: 2 ppm Ammonia: 2 ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Noticeable from a dist Turbidity: Color: Clearly visible in flow Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Condition Assessment Graffiti: Erosion: Deposition: in. Damage:	
			 o20110512133142.jpg 2011	

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):



o20171018130126.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: 10/18/2017 1:06:00 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018130134.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-19

Time Collected: 13:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 67 °F

Conductivity (field): 1945 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2016 12:54:50 PM **Type:** Ongoing **Flow:** Submerged, slight flow **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 4

Sampling Results

Sample Location:	Flow	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:	Slight
Temperature:	65 °F	Vegetation:	None
Conductivity:	1620 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161019125222.JPG

2016

Inspection Date: 9/24/2015 12:40:02 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 7

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.38 units	Gross Solids:	None
Temperature:	72 °F	Vegetation:	None
Conductivity:	780 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20150924114134.JPG

2015

Inspection Date: 10/7/2014 1:11:52 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 2

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.73 units	Gross Solids:	None
Temperature:	-- °F	Vegetation:	None
Conductivity:	1481 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Slight
		Non-illicit:	None

Notes

No flow at 14-582 US7 (Hydrite lateral).

Condition Assessment

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



o20141007120930.JPG

2014

Inspection Date: 7/31/2013 10:27:12 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 5

Sampling Results

Sample Location:	Pool	Floatables:	Slight
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.52 units	Gross Solids:	None
Temperature:	72 °F	Vegetation:	None
Conductivity:	1403 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Slight
		Non-illicit:	None

Notes

Condition Assessment

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



o20130731093036.JPG

2013

Inspection Date: 10/7/2014 12:52:01 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 6		
<u>Sampling Results</u>		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:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20141007115328.JPG

2014

Inspection Date: 7/17/2013 11:58:51 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
<u>Sampling Results</u>		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:	Slight		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20130717110248.JPG

2013

Inspection Date: 8/26/2010		Type: Ongoing	Flow:	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged:		Depth (in):		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:			
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:		
		Erosion:		
		Deposition:	in.	
		Damage:		

Photo Not Available

2010

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
<u>Sampling Results</u>		Notes		
Sample Location: Pool	Floatables:			
Total Chlorine: 0 ppm	Odor:			
Free Chlorine: 0 ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: 7.57 units	Gross Solids:			
Temperature 71 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: 0 mg/L	Stains:			
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



Osh09_DSCN6531.JPG

2009

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171018134804.JPG

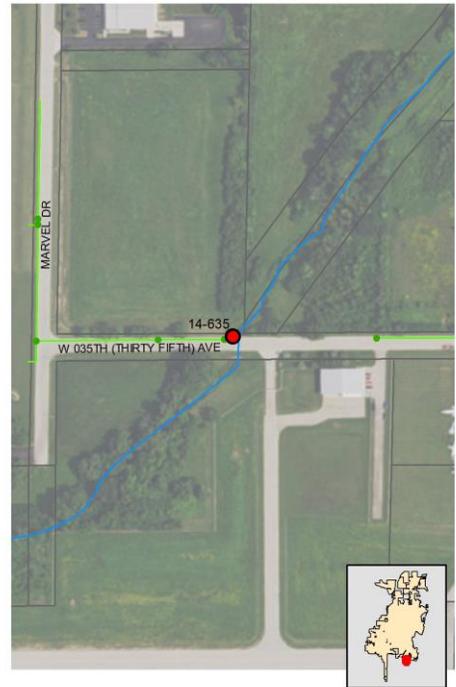
Outfall Notes:

35th Ave storm sewer discharges into west culvert.
Location approximate - GPS not available in culvert.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 457,123 Latitude: 43.97351
Easting: 790,346 Longitude: -88.54807

Location Map



Inspection Date: 10/18/2017 1:52:07 PM		Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+	
Flow Description: Submerged, no flow		Notes: Upstream catchbasin dry - sample collected from submerged pool at end of pipe.			
Submerged: Partially	Depth (in): 5				
Illicit Discharge Potential: Unlikely					
Floatables: <input type="text" value="None"/>	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage	<input type="checkbox"/> Algae	<input type="checkbox"/> Other
Odor: <input type="text" value="None"/>	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Other
	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur	<input type="checkbox"/> Fragrant	
Turbidity: <input type="text" value="None"/>					
Color: <input type="text" value="None"/>					
Gross Solids: <input type="text" value="None"/>	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other	
Vegetation: <input type="text" value="None"/>	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive			
Benthic Growth: <input type="text" value="None"/>	<input type="checkbox"/> Green	<input type="checkbox"/> Brown			
Stains: <input type="text" value="None"/>	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains		
	<input type="checkbox"/> Paint	<input type="checkbox"/> Other			
Non-illicit: <input type="text" value="None"/>	<input type="checkbox"/> Natural Sheen	<input type="checkbox"/> Natural Suds/Foam			
Physical Condition Assessment					
Graffiti: None					
Erosion: None					
Deposition: None	Depth (in):				
Damage: None	<input type="checkbox"/> Displacement	<input type="checkbox"/> Undercut	<input type="checkbox"/> Crushed		
	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Cracks/Structural Damage			

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-52

Time Collected: 13:48

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.64 units

Temperature (field): 67 °F

Conductivity (field): 520 µS/cm

Detergents: 0 mg/L



o20171018134816.JPG

Inspection Date: 7/17/2013 11:22:01 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes			
Submerged: None		Depth (in):					
Sampling Results		Floatables:		Condition Assessment		in.	
Sample Location: Flow		Odor:					
Total Chlorine: 0 ppm		Turbidity:					
Free Chlorine: 0 ppm		Color:					
Ammonia: 1 ppm		Gross Solids:					
pH: 7.6 units		Vegetation:					
Temperature 71 °F		Benthic Growth:					
Conductivity: 729 µS/cm		Stains:					
Detergents: 0 mg/L		Non-illicit:					
				Erosion: None			
				Deposition: None			
				Damage: None			

o201307171102554.JPG

2013

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

Osh09_DSCN6528.JPG

2009

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):



o20171018132636.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from south.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 459,987 Latitude: 43.98137
 Easting: 791,780 Longitude: -88.54262

Inspection Date: 10/18/2017 1:29:55 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171018132644.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 7/17/2013 1:07:42 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Pipe wet but no collectable flow at time of inspection.		 <p style="text-align: center;">o20130717121116.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None		in.	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L							

Inspection Date: 9/4/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)		 <p style="text-align: center;">Osh09_DSCN6544.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>	
Submerged: None		Depth (in): 0					
Sampling Results Sample Location:		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None		0 in.	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L							

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171018132922.JPG

Outfall Notes:

Oregon St. storm sewer discharges to stream from north.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 460,033 Latitude: 43.98150
 Easting: 791,853 Longitude: -88.54235

Location Map



Inspection Date: 10/18/2017 1:32:37 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 0.5

Illicit Discharge Potential: Unlikely

Notes: Pipe was dry approx 10 ft from end of pipe - no sample collected (from stream). Apron displaced 4".



o20171018132924.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 7/17/2013 1:12:46 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Pipe wet, but no flow leaving apron. Apron displaced 4".		 <p style="font-size: small; text-align: center;">o20130717121624.JPG</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: Minor		<h1 style="margin: 0;">2013</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L				in.			

Inspection Date: 9/4/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Wet, no flow.		 <p style="font-size: small; text-align: center;">Osh09_DSCN6547.JPG</p>	
Submerged: None		Depth (in): 0					
Sampling Results Sample Location:		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: Minor		<h1 style="margin: 0;">2009</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L				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):



o20171018141326.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from south.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 463,068 Latitude: 43.98982
 Easting: 791,853 Longitude: -88.54235

Inspection Date: 10/18/2017 2:16:58 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection. Apron displaced 7".



o20171018141336.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Moderate Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 7/31/2013 6:52:38 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 7" apron displacement			
Submerged: None		Depth (in):					
Sampling Results		Floatables:		Condition Assessment		Graffiti: Minor Erosion: None Deposition: None in. Damage: Moderate	
Sample Location: Flow		Odor: None					
Total Chlorine: 0 ppm		Turbidity: None					
Free Chlorine: 0 ppm		Color: None					
Ammonia: 0 ppm		Gross Solids: None					
pH: 8.19 units		Vegetation: None					
Temperature: 70 °F		Benthic Growth: None					
Conductivity: 638 µS/cm		Stains: Slight					
Detergents: 0 mg/L		Non-illicit: None					

o20130731055412.JPG

2013

Inspection Date: 9/4/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Apron separating from pipe. Grafitti on bridge.			
Submerged: None		Depth (in): 0					
Sampling Results		Floatables:		Condition Assessment		Graffiti: Moderate Erosion: None Deposition: None 0 in. Damage: Moderate	
Sample Location:		Odor:					
Total Chlorine: -- ppm		Turbidity:					
Free Chlorine: -- ppm		Color:					
Ammonia: -- ppm		Gross Solids:					
pH: -- units		Vegetation:					
Temperature: -- °F		Benthic Growth:					
Conductivity: -- µS/cm		Stains:					
Detergents: -- mg/L		Non-illicit: None					

Osh09_DSCN6559.JPG

2009

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): 15

Height/Depth (in):

Width (in):



o20171018135936.JPG

Outfall Notes:

35th Ave storm sewer discharges to east CTH I ditch from west.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 457,027 Latitude: 43.97325
 Easting: 791,726 Longitude: -88.54282

Inspection Date: 10/18/2017 2:02:42 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment in pipe wet, but no collectable flow at time of inspection.



o20171018135940.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 3

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 7/17/2013 11:32:29 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Apron sediment wet, but no collectable flow at time of inspection.		 <p style="font-size: small; text-align: center;">o20130717103632.JPG</p> <p style="font-size: large; text-align: center; font-weight: bold;">2013</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 4 in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None					

Inspection Date: 9/4/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Standing water inside pipe due to sediment at end - no flow leaving pool.		 <p style="font-size: small; text-align: center;">Osh09_DSCN6521.JPG</p> <p style="font-size: large; text-align: center; font-weight: bold;">2009</p>	
Submerged: None		Depth (in): 0					
Sampling Results Sample Location:		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: 4 in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: 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 - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171018132236.JPG

Outfall Notes:

Waukau Ave storm sewer discharges into west culvert. Replaced with PVC before 2017 inspection.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 459,937 Latitude: 43.98123
 Easting: 791,621 Longitude: -88.54323

Location Map



Inspection Date: 10/18/2017 1:25:59 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
 Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171018132244.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 7/17/2013 12:56:41 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Fine light color silt settled on culvert and rocks at base of outfall.
Submerged: None	Depth (in):			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Moderate
Sample Location: Flow		Odor:	None	
Total Chlorine:	0 ppm	Turbidity:	None	
Free Chlorine:	0 ppm	Color:	None	
Ammonia:	0.5 ppm	Gross Solids:	None	
pH:	8.11 units	Vegetation:	None	
Temperature:	72 °F	Benthic Growth:	None	
Conductivity:	947 µS/cm	Stains:	Moderate	
Detergents:	0 mg/L	Non-illicit:	Slight	



o20130717120006.JPG

2013

Inspection Date: 6/20/2012 12:29:02 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2011 suds (natural) follow-up. Pipe wet but no flow at outfall.
Submerged: None	Depth (in):			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	Slight	
Detergents:	-- mg/L	Non-illicit:	None	



o20120620112732.JPG

2012

Inspection Date: 10/6/2011 3:04:00 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Persistent suds still present in mixing zone and downstream.
Submerged: None	Depth (in):			
<i>Sampling Results</i>		Floatables:	Moderate	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	Moderate	
Detergents:	-- mg/L	Non-illicit:	None	



o20111006150702.JPG

2011

Inspection Date: 5/26/2011 12:58:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Limited screening conducted to check for suds. Slight suds - all coming from upstream of culvert.
Submerged: Partially	Depth (in): 2			
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature:	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	-- mg/L	Non-illicit:	None	



o20110526124526.JPG

2011

Inspection Date: 8/26/2010 1:00:18 PM		Type: Other	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Sample consists of sheen skimmed from surface of downstream pool.	
Submerged: None	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: None	
Sampling Results		Floatables: Moderate	 <p style="text-align: center;">o20100826123758.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>	
Sample Location: Pool	Odor: None			
Total Chlorine: 0 ppm	Turbidity: None			
Free Chlorine: 0 ppm	Color: None			
Ammonia: 0 ppm	Gross Solids: None			
pH: 8.52 units	Vegetation: None			
Temperature 76 °F	Benthic Growth: None			
Conductivity: -- µS/cm	Stains: Moderate			
Detergents: 0 mg/L	Non-illicit: None			

Inspection Date: 8/26/2010 12:58:18 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Persistent suds and gel-like sheen downstream	
Submerged: None	Depth (in):		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: Moderate	
Sampling Results		Floatables: Moderate	 <p style="text-align: center;">o20100826123658.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>	
Sample Location: Flow	Odor: None			
Total Chlorine: 0 ppm	Turbidity: None			
Free Chlorine: 0 ppm	Color: None			
Ammonia: 0 ppm	Gross Solids: None			
pH: 8.3 units	Vegetation: None			
Temperature 78 °F	Benthic Growth: None			
Conductivity: -- µS/cm	Stains: Moderate			
Detergents: 0 mg/L	Non-illicit: None			

Inspection Date: 9/4/2009		Type: Initial	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Sample 09090411 collected from pool (suds). No detergent detected.	
Submerged: None	Depth (in): 0		Condition Assessment: Graffiti: None, Erosion: None, Deposition: None 0 in., Damage: Minor	
Sampling Results		Floatables: Moderate	 <p style="text-align: center;">Osh09_DSCN6538.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>	
Sample Location: Flow	Odor: None			
Total Chlorine: 0 ppm	Turbidity: None			
Free Chlorine: 0 ppm	Color: None			
Ammonia: -- ppm	Gross Solids: None			
pH: 8.32 units	Vegetation: None			
Temperature 78 °F	Benthic Growth: None			
Conductivity: -- µS/cm	Stains: Moderate			
Detergents: 0 mg/L	Non-illicit: None			

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Adjacent Municipality

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171018131212.JPG

Outfall Notes:

Waukau Ave storm sewer discharges to railroad right-of-way from east.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 459,952

Easting: 792,571

Latitude/Longitude:

Latitude: 43.98128

Longitude: -88.53962

Inspection Date: 10/18/2017 1:15:47 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sediment inside pipe wet, but no collectable flow at time of inspection.



o20171018131222.JPG

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: Moderate Depth (in): 11

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 7/17/2013 1:30:26 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Sediment wet, but no collectable flow at time of inspection.		 <p style="font-size: small; text-align: center;">o20130717123414.JPG</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		<h1 style="margin: 0;">2013</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None					

Inspection Date: 9/4/2009		Type: Initial		Flow: Submerged, no flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Pool at end of pipe - no flow leaving pool.		 <p style="font-size: small; text-align: center;">Osh09_DSCN6550.JPG</p>	
Submerged: Partially		Depth (in): 11					
Sampling Results Sample Location:		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: 9 in. Damage: None		<h1 style="margin: 0;">2009</h1>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None					

Inspection Date: 7/31/2013 7:06:55 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="color: orange; font-size: 24px; font-weight: bold;">Outfall Not Located</div> <div style="font-weight: bold; color: black;">Photo Not Available</div> <div style="font-size: 24px; font-weight: bold; color: black; margin-top: 20px;">2013</div>
Submerged: Partially	Depth (in):	Notes Inside locked security fence. Screened upstream at 14-996 US1.		
<i>Sampling Results</i>		Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None
Sample Location:		Odor:	None	
Total Chlorine:	-- ppm	Turbidity:	None	
Free Chlorine:	-- ppm	Color:	None	
Ammonia:	-- ppm	Gross Solids:	None	
pH:	-- units	Vegetation:	None	
Temperature	-- °F	Benthic Growth:	None	
Conductivity:	-- µS/cm	Stains:	None	
Detergents:	-- mg/L	Non-illicit:	None	

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <div style="font-weight: bold; color: black; margin-top: 20px;">2009</div>
Submerged: Partially	Depth (in): 5	Notes		
<i>Sampling Results</i>		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Sample Location:		Odor:		
Total Chlorine:	-- ppm	Turbidity:		
Free Chlorine:	-- ppm	Color:		
Ammonia:	-- ppm	Gross Solids:		
pH:	-- units	Vegetation:		
Temperature	-- °F	Benthic Growth:	Slight	
Conductivity:	-- µS/cm	Stains:		
Detergents:	-- mg/L	Non-illicit:	None	

Inspection Date: 10/19/2016 1:11:20 PM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20161019130908.JPG	
Submerged: None		Depth (in):		Last pipe segment displaced 4" at joint.			
Sampling Results		Floatables: None		Condition Assessment		2016	
Sample Location: Flow		Odor: None		Graffiti: None			
Total Chlorine: 0 ppm		Turbidity: None		Erosion: None			
Free Chlorine: 0 ppm		Color: Faint in bottle		Deposition: None in.			
Ammonia: 0 ppm		Gross Solids: None		Damage: Minor			
pH: 8.24 units		Vegetation: None					
Temperature 65 °F		Benthic Growth: Slight					
Conductivity: 765 µS/cm		Stains: None					
Detergents: 0 mg/L		Non-illicit: None					

Inspection Date: 9/24/2015 12:55:30 PM		Type: Ongoing		Flow: Moderate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20150924115728.JPG	
Submerged: None		Depth (in):		4" joint displacement.			
Sampling Results		Floatables: None		Condition Assessment		2015	
Sample Location: Flow		Odor: None		Graffiti: None			
Total Chlorine: 0 ppm		Turbidity: None		Erosion: None			
Free Chlorine: 0 ppm		Color: None		Deposition: None in.			
Ammonia: 0 ppm		Gross Solids: None		Damage: Moderate			
pH: 8.17 units		Vegetation: None					
Temperature 72 °F		Benthic Growth: None					
Conductivity: 1595 µS/cm		Stains: Slight					
Detergents: 0 mg/L		Non-illicit: None					

Inspection Date: 7/31/2013 7:27:16 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20130731063036.JPG	
Submerged: None		Depth (in):		End section displaced 4".			
Sampling Results		Floatables: None		Condition Assessment		2013	
Sample Location: Flow		Odor: None		Graffiti: None			
Total Chlorine: 0 ppm		Turbidity: None		Erosion: None			
Free Chlorine: 0 ppm		Color: None		Deposition: None in.			
Ammonia: 0 ppm		Gross Solids: None		Damage: Minor			
pH: 8.05 units		Vegetation: None					
Temperature 71 °F		Benthic Growth: None					
Conductivity: 1865 µS/cm		Stains: Moderate					
Detergents: 0 mg/L		Non-illicit: None					

Inspection Date: 9/4/2009		Type: Initial		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 Osh09_DSCN6570.JPG	
Submerged: Partially		Depth (in): 1		End section of pipe separated.			
Sampling Results		Floatables: None		Condition Assessment		2009	
Sample Location: Pool		Odor: None		Graffiti: None			
Total Chlorine: 0 ppm		Turbidity: None		Erosion: None			
Free Chlorine: 0 ppm		Color: None		Deposition: None 0 in.			
Ammonia: -- ppm		Gross Solids: None		Damage: Moderate			
pH: 7.82 units		Vegetation:					
Temperature 73 °F		Benthic Growth: Slight					
Conductivity: -- µS/cm		Stains:					
Detergents: 0 mg/L		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): 29
Width (in): 45

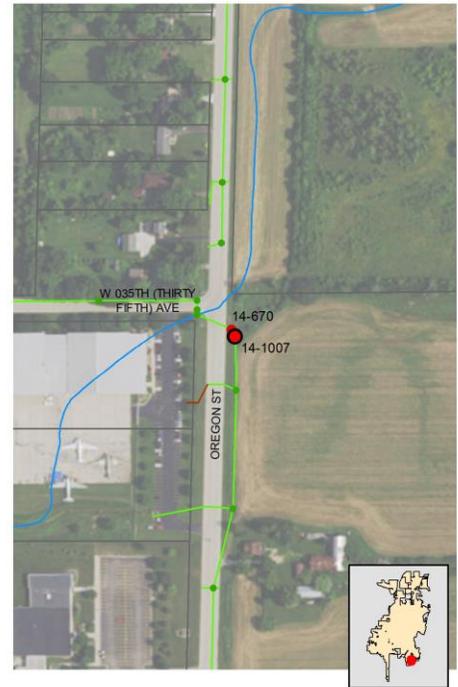


o20171018140158.JPG

Outfall Notes:

Oregon St storm sewer discharges to east CTH I ditch.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 457,009 Latitude: 43.97320
 Easting: 791,734 Longitude: -88.54279

Inspection Date: 10/18/2017 2:05:41 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

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



o20171018140212.JPG

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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-56
 Time Collected: 14:05
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.61 units
 Temperature (field): 68 °F
 Conductivity (field): 341 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: Minor Depth (in): 2
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 7/17/2013 11:41:00 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> Notes Apron sediment wet, but no collectable flow at time of inspection. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: Minor 5 in. Damage: None </div>																		
Submerged: None Depth (in):																						
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </div>		<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>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None	 <small>o20130717104110.JPG</small> <h2 style="margin: 0;">2013</h2>
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	Slight																					
Non-illicit:	None																					

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> Notes Garbage inside pipe. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Condition Assessment Graffiti: None Erosion: None Deposition: 1 in. Damage: None </div>																		
Submerged: None Depth (in): 0																						
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </div>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></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	 <small>Osh09_DSCN6525.JPG</small> <h2 style="margin: 0;">2009</h2>
Floatables:																						
Odor:																						
Turbidity:																						
Color:																						
Gross Solids:																						
Vegetation:																						
Benthic Growth:																						
Stains:																						
Non-illicit:	None																					

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

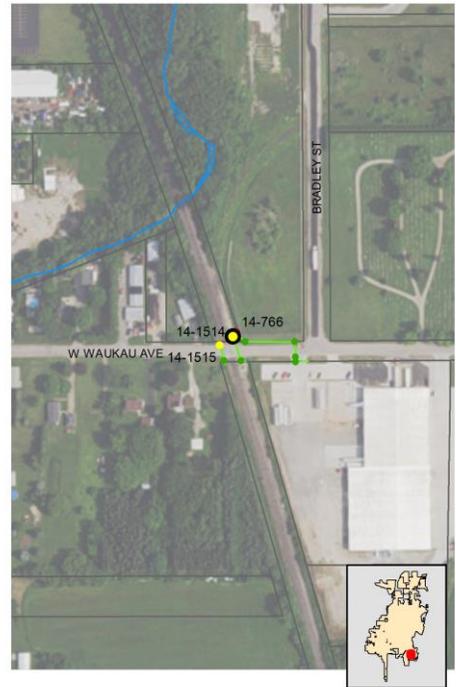


o20171018131404.JPG

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: **Latitude/Longitude:**
 Northing: 459,943 Latitude: 43.98125
 Easting: 792,565 Longitude: -88.53964

Inspection Date: 10/18/2017 1:17:40 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Dry railroad ballast inside pipe. No flow observed at time of inspection.



o20171018131410.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 11

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 12:41:44 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Corrugations wet, but no flow. 10" of stone in end of pipe. RR ties obstructing end.		
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			
		Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		



o20161019124104.JPG

2016

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):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Partially filled with stone.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		



o20150924112622.JPG

2015

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):



o20171019134736.JPG

Outfall Notes:

Storm sewer from W Murdock Ave discharges to SW corner of detention basin. MS4 mapping does not show distinction from 15-146.

County Coordinates: Latitude/Longitude:

Northing: 481,232 Latitude: 44.03965

Easting: 792,363 Longitude: -88.54045

Not Physically Located

Location Map



Inspection Date: 10/19/2017 1:49:54 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 7

Illicit Discharge Potential: Unlikely

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

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



o20171019134748.JPG

2017

Sampling Results

Sample Location:
 Sample ID: 171019-41
 Time Collected: 13:49
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.77 units
 Temperature (field): 66 °F
 Conductivity (field): 1690 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 12:09:41 PM **Type:** Ongoing **Flow:** Submerged, slight flow **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 7

<i>Sampling Results</i>	
Sample Location:	Flow
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.57 units
Temperature:	66 °F
Conductivity:	1099 µS/cm
Detergents:	0 mg/L

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

Notes
Sample collected from concentrated flow in outfall pool.

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



o20161019120708.JPG

2016

Inspection Date: 9/24/2015 8:10:48 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 8

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.99 units
Temperature:	67 °F
Conductivity:	1153 µS/cm
Detergents:	0 mg/L

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

Notes
Construction and traffic prevented screening at US1. Sample collected from outfall pool.

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



o20150924071336.JPG

2015

Inspection Date: 10/6/2011 2:30:02 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 6

<i>Sampling Results</i>	
Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature:	-- °F
Conductivity:	-- µS/cm
Detergents:	-- mg/L

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

Notes
Outfall partially submerged. Outfall screened upstream at 15-143 US1.

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



o20111006142826.JPG

2011

Inspection Date: 5/12/2011 12:43:00 PM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):**

<i>Sampling Results</i>	
Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature:	-- °F
Conductivity:	-- µS/cm
Detergents:	-- mg/L

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	None

Notes
Outfall partially submerged. Outfall screened upstream at 15-143 US1.

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



o20110512124336.JPG

2011

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-143

Dimensions

Diameter (in):

Height/Depth (in):

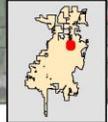
Width (in):



o20111006140740.JPG

Outfall Notes:

Upstream manhole located approx 64 ft SSW of outfall 15-143. Intermediate area consists of street right-of-way and open space.



Mapping Precison:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 481,170
Easting: 792,348

Latitude/Longitude:

Latitude: 44.03948
Longitude: -88.54050

Inspection Date: 10/6/2011 2:18:22 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate Notes:
Submerged: Partially Depth (in): 2
Illicit Discharge Potential: Unlikely



o20111006140752.JPG

- 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

2011

Sampling Results

Sample Location: Pool
Sample ID: 111006-96
Time Collected: 14:10
Total Chlorine (field): 0 ppm
Free Chlorine (field): 0 ppm
Ammonia (field): 0 ppm
pH (field): 7.63 units
Temperature (field): 72 °F
Conductivity (field): -- µS/cm
Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in): 0
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 5/12/2011 12:45:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		Photo Not Available 2011
Submerged:	Depth (in):	Notes Limited screening conducted for upstream manhole prescreening.		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Floatables: _____ Odor: _____ Turbidity: _____ Color: _____ Gross Solids: _____ Vegetation: _____ Benthic Growth: _____ Stains: _____ Non-illicit: None				

Reference Only

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):



o20171019135440.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: 10/19/2017 1:56:32 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 7

Illicit Discharge Potential: Unlikely

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



o20171019135446.JPG

- 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

2017

Sampling Results

Sample Location:
 Sample ID: 171019-24
 Time Collected: 13:55
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.83 units
 Temperature (field): 66 °F
 Conductivity (field): 1297 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 12:14:54 PM **Type:** Ongoing **Flow:** Submerged, slight flow **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 7

Notes
Sample collected from concentrated flow in outfall pool.

Sampling Results

Sample Location:	Flow	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.6 units	Gross Solids:	Slight
Temperature:	65 °F	Vegetation:	None
Conductivity:	1026 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	Moderate
		Non-illicit:	None

Condition Assessment

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



o20161019121322.JPG

2016

Inspection Date: 9/24/2015 8:19:03 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 6

Notes
Outfall partially submerged - screened at 15-146 US1.

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	Easily detected
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:	Moderate
		Non-illicit:	None

Condition Assessment

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



o20150924072144.JPG

2015

Inspection Date: 10/6/2011 2:26:18 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):** 6

Notes
Outfall partially submerged. Outfall screened upstream at 15-146 US1.

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	Slight
Temperature:	-- °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	Moderate
Detergents:	-- mg/L	Stains:	Slight
		Non-illicit:	None

Condition Assessment

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



o20111006142544.JPG

2011

Inspection Date: 5/12/2011 12:38:00 PM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially **Depth (in):**

Notes
Outfall partially submerged. Outfall screened upstream at 15-146 US1.

Sampling Results

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

Condition Assessment

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



o20110512123858.JPG

2011

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-146

Dimensions

Diameter (in):

Height/Depth (in):

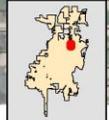
Width (in):



o20150924073104.JPG

Outfall Notes:

Upstream manhole located approx 98 ft SE of outfall 15-146. Intermediate area consists of street right-of-way and open space.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 481,182
Easting: 792,468

Latitude/Longitude:

Latitude: 44.03951
Longitude: -88.54005

Inspection Date: 9/24/2015 8:33:07 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None Depth (in):

Notes: Flowline damp, with gravel.

Illicit Discharge Potential: Unlikely

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



o20150924073124.JPG

2015

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): 1

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/6/2011 2:14:28 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None Depth (in):		Notes Manhole wet but no flow.		
<i>Sampling Results</i> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20111006140454.JPG 2011

Inspection Date: 5/12/2011 12:39:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially Depth (in):		Notes Limited screening conducted for upstream manhole prescreening.		
<i>Sampling Results</i> Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20110512123956.JPG 2011

Reference Only

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



o20171017125118.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.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 478,535 Latitude: 44.03226
 Easting: 797,609 Longitude: -88.52050

Location Map



Inspection Date: 10/17/2017 12:54:30 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 36

Illicit Discharge Potential: Unlikely

Notes: Fully submerged - water 2"+ over crown of pipe. Screened upstream at 15-636 US1.



o20171017125138.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 7:55:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not located - screened upstream at 15-636 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20161019075416.JPG

2016

Inspection Date: 10/4/2011 9:33:13 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	Moderate	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged. Outfall screened upstream at 15-636 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



o20111004093148.JPG

2011

Inspection Date: 5/10/2011 12:30:00 PM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:		
Sample Location:		Odor:		
Total Chlorine: -- ppm		Turbidity:		
Free Chlorine: -- ppm		Color:		
Ammonia: -- ppm		Gross Solids:		
pH: -- units		Vegetation:		
Temperature -- °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not physically located. Outfall screened upstream at 15-636 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None 0 in.	
		Damage:	None	



o20110510122252.JPG

2011

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2650

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017125254.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: 10/17/2017 12:57:26 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 34

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: 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



o20171017125304.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-31
 Time Collected: 12:53
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 8.22 units
 Temperature (field): 67 °F
 Conductivity (field): 387 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 7:57:37 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 34

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.87 units
Temperature:	58 °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:	Moderate
Stains:	None
Non-illicit:	None

Notes
Potential illicit discharge due to gross solids.

Condition Assessment

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



o20161019075520.JPG

2016

Inspection Date: 10/4/2011 9:36:39 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in): 34

<i>Sampling Results</i>	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.68 units
Temperature:	62 °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

Notes

Condition Assessment

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



o20111004093530.JPG

2011

Inspection Date: 5/10/2011 12:23:00 PM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 0-24

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in):

<i>Sampling Results</i>	
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

Notes
Limited screening conducted for upstream manhole prescreening.

Condition Assessment

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



o20110510123050.JPG

2011

Inspection Date: 9/24/2015 7:09:54 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 14

Notes
Outfall partially submerged - screened at 15-1093 US1.

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine: -- ppm		Odor:	None
Free Chlorine: -- ppm		Turbidity:	None
Ammonia: -- ppm		Color:	None
pH: -- units		Gross Solids:	None
Temperature -- °F		Vegetation:	None
Conductivity: -- µS/cm		Benthic Growth:	Moderate
Detergents: -- mg/L		Stains:	None
		Non-illicit:	None

Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate 6 in.
Damage: None



o20150924061136.JPG

2015

Inspection Date: 10/9/2014 1:54:00 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 9

Notes
Outfall partially submerged - screened upstream at 15-1093 US1.

Sampling Results

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

Condition Assessment

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



o20141009125326.JPG

2014

Inspection Date: 10/6/2011 8:44:09 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 9

Notes
Outfall partially submerged. Outfall screened upstream at 15-1093 US1.

Sampling Results

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

Condition Assessment

Graffiti: None
Erosion: None
Deposition: None 0 in.
Damage: Minor



o20111006084300.JPG

2011

Inspection Date: 5/26/2011 9:18:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in):

Notes
Outfall partially submerged. Outfall screened upstream at 15-1093 US1.

Sampling Results

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

Condition Assessment

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



o20110526091844.JPG

2011

Inspection Date: 8/26/2010 2:56:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes: Outfall partially submerged. Outfall screened upstream at 15-1093 US1.																																													
Submerged: Partially Depth (in): 7		Condition Assessment																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		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>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>	Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>Minor</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	Minor
<i>Sampling Results</i>																																																
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Floatables:	None																																															
Odor:	None																																															
Turbidity:	Slight cloudiness																																															
Color:	None																																															
Gross Solids:	None																																															
Vegetation:	None																																															
Benthic Growth:	Moderate																																															
Stains:	None																																															
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	Minor																																															
			 o20100826144742.JPG 2010																																													

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																												
Illicit Discharge Potential: Potential		Inspector: JCW	Notes: Outfall partially submerged. Outfall screened upstream at 15-1093 US1.																																													
Submerged: Partially Depth (in): 7		Condition Assessment																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		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>Faint</td></tr> <tr><td>Turbidity:</td><td>Cloudy</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	Faint	Turbidity:	Cloudy	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>Minor</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	Minor
<i>Sampling Results</i>																																																
Sample Location:																																																
Total Chlorine:	-- ppm																																															
Free Chlorine:	-- ppm																																															
Ammonia:	-- ppm																																															
pH:	-- units																																															
Temperature:	-- °F																																															
Conductivity:	-- µS/cm																																															
Detergents:	-- mg/L																																															
Floatables:	None																																															
Odor:	Faint																																															
Turbidity:	Cloudy																																															
Color:	None																																															
Gross Solids:	None																																															
Vegetation:	None																																															
Benthic Growth:	Slight																																															
Stains:	None																																															
Non-illicit:	None																																															
Graffiti:	None																																															
Erosion:	None																																															
Deposition:	None 0 in.																																															
Damage:	Minor																																															
			 Osh09_DSCN6359.JPG 2009																																													

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1093



o20171019143210.JPG

Outfall Notes:

Upstream manhole located approx 88 ft SSW of outfall 15-1093. Intermediate area consists of Main Street and right-of-way.

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 488,645

Easting: 793,028

Latitude/Longitude:

Latitude: 44.05998

Longitude: -88.53793

Inspection Date: 10/19/2017 2:34:14 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 6

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171019143218.JPG

- 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

2017

Sampling Results

Sample Location:

Sample ID: 171019-18

Time Collected: 14:33

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.94 units

Temperature (field): 66 °F

Conductivity (field): 836 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 9/24/2015 7:18:21 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 8

Notes

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	7.75 units	Gross Solids:	None
Temperature:	68 °F	Vegetation:	None
Conductivity:	1510 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

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



o20150924061936.JPG

2015

Inspection Date: 10/9/2014 2:01:31 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 12

Notes

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	7.87 units	Gross Solids:	None
Temperature:	60 °F	Vegetation:	None
Conductivity:	2030 µS/cm	Benthic Growth:	Slight
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate 3 in.
Damage: None



o20141009125920.JPG

2014

Inspection Date: 10/6/2011 8:54:57 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 4

Notes

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.54 units	Gross Solids:	None
Temperature:	65 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	Slight
		Non-illicit:	None

Condition Assessment

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



o20111006085240.JPG

2011

Inspection Date: 5/26/2011 9:17:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in):

Notes

Limited screening conducted for upstream manhole prescreening.

Sampling Results

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

Condition Assessment

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



o20110526091718.JPG

2011

Inspection Date: 8/26/2010 2:49:55 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes			
Submerged: Partially		Depth (in): 2	 <p style="text-align: right; font-size: small;">020100826144124.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2010</p>			
<i>Sampling Results</i>		Floatables:			None	
Sample Location: Pool		Odor:			None	
Total Chlorine: 0 ppm		Turbidity:			None	
Free Chlorine: 0 ppm		Color:			None	
Ammonia: 0 ppm		Gross Solids:			None	
pH: 7.95 units		Vegetation:			None	
Temperature 79 °F		Benthic Growth:			None	
Conductivity: -- µS/cm		Stains:			Slight	
Detergents: 0 mg/L		Non-illicit:			None	
			Condition Assessment			
			Graffiti: None			
			Erosion: None			
			Deposition: None 0 in.			
			Damage: None			

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+		
Illicit Discharge Potential: Potential		Inspector: JCW	Notes			
Submerged: Partially		Depth (in):	 <p style="text-align: right; font-size: small;">Osh09_DSCN6366.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2009</p>			
<i>Sampling Results</i>		Floatables:			None	
Sample Location: Pool		Odor:			Faint	
Total Chlorine: 0 ppm		Turbidity:			None	
Free Chlorine: 0 ppm		Color:			None	
Ammonia: -- ppm		Gross Solids:			None	
pH: 7.79 units		Vegetation:			None	
Temperature 76 °F		Benthic Growth:			None	
Conductivity: -- µS/cm		Stains:			None	
Detergents: 0 mg/L		Non-illicit:			None	
			Condition Assessment			
			Graffiti: None			
			Erosion: None			
			Deposition: None 0 in.			
			Damage: None			

Inspection Date: 10/19/2016 9:29:15 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Notes
Outfall fully submerged and not located - screened upstream at 15-1108 US1.

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

<i>Sampling Results</i>	
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



o20161019092756.JPG

2016

Inspection Date: 9/24/2015 7:35:11 AM **Type:** Ongoing **Flow:** Submerged (not located) **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Notes
Outfall fully submerged and not located - screened at 15-1108 US1.

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

<i>Sampling Results</i>	
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



o20150924063632.JPG

2015

Inspection Date: 10/5/2011 10:07:32 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in): 16

Notes
Outfall fully submerged. Outfall screened upstream at 15-1108 US1.

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

<i>Sampling Results</i>	
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



o20111005100840.JPG

2011

Inspection Date: 5/12/2011 9:38:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Notes
Outfall fully submerged. Outfall screened upstream at 15-1108 US1.

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

<i>Sampling Results</i>	
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



o20110512093128.JPG

2011

Inspection Date: 10/19/2016 9:33:09 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 9

Sampling Results

Sample Location:	Pool	Floatables:	None
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:	63 °F	Vegetation:	None
Conductivity:	413 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	Slight
		Non-illicit:	None

Notes

Condition Assessment

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



o20161019092942.JPG

2016

Inspection Date: 9/24/2015 7:35:59 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 7

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.88 units	Gross Solids:	None
Temperature:	68 °F	Vegetation:	None
Conductivity:	384 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	Slight

Notes

Condition Assessment

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



o20150924063654.JPG

2015

Inspection Date: 10/5/2011 10:10:59 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 8

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.25 units	Gross Solids:	None
Temperature:	62 °F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20111005101010.JPG

2011

Inspection Date: 5/12/2011 9:31:00 AM **Type:** Other **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Fully Depth (in):

Sampling Results

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

Notes

Limited screening conducted for upstream manhole prescreening.

Condition Assessment

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



o20110512093152.JPG

2011

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Downstream Outfall

NR 216 Class:
Supplemental Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171017123254.JPG

Outfall Notes:

Storm sewer from Mt Vernon St and Custer Ave discharges to open channel east of Harrison St.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 480,046 Latitude: 44.03640
Easting: 793,931 Longitude: -88.53448

Location Map



Inspection Date: 10/17/2017 12:36:42 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: Unlikely

Notes: Saturated sediment on apron. Outfall partially submerged - screened upstream at 15-2409 US1.



o20171017123304.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/19/2016 12:25:36 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Sediment wet, but no flow at time of inspection.		
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			
		Graffiti: None	1 in.	
		Erosion: None		
		Deposition: Minor		
		Damage: None		



o20161019122450.JPG

2016

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		
<i>Sampling Results</i>		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			
Conductivity: -- µS/cm	Benthic Growth: Slight			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None	in.	
		Erosion: None		
		Deposition: None		
		Damage: None		



o20150924075004.JPG

2015

Location Map



o20171017123750.JPG

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2409

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Outfall Notes:

Upstream manhole located approx 242 ft SSW of outfall 15-2409. Intermediate area consists of street right-of-way.

Mapping Precision:

Desktop mapping estimate

Not Physically Located

County Coordinates:

Northing: 479,828

Easting: 793,825

Latitude/Longitude:

Latitude: 44.03580

Longitude: -88.53489

Inspection Date: 10/17/2017 12:44:27 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171017123758.JPG

- Floatables: Petrol. Sheen Suds Sewage Algae Other
- Odor: Petroleum Musty Sewage Chlorine Other
- VOC/Solvent Fishy Sulfur Fragrant
- Turbidity:
- Color: Dark/Black
- Gross Solids: Litter 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-39
 Time Collected: 12:40
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.56 units
 Temperature (field): 68 °F
 Conductivity (field): 1165 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 9/24/2015 8:55:31 AM		Type: Ongoing		Flow: Submerged, slight flow		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p style="text-align: center;">o20150924075444.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>	
Submerged: Partially Depth (in): 2							
Sampling Results				Condition Assessment			
Sample Location: Flow		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None	in.
Ammonia: 0 ppm		Color:	None	Damage:		None	
pH: 7.82 units		Gross Solids:	None				
Temperature 68 °F		Vegetation:	None				
Conductivity: 600 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 - Elliptical

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in):

Height/Depth (in): 43

Width (in): 68



o20171019145644.JPG

Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 490,793 Latitude: 44.06588
 Easting: 797,297 Longitude: -88.52170

Inspection Date: 10/19/2017 2:59:13 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 38

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 15-2477 US2.



o20171019145658.JPG

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

2017

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): 8

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 5:32:01 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: Partially Depth (in): 30		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None	 <p style="text-align: center;">o20161018173020.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2016</p>
<i>Sampling Results</i>																																																		
Sample Location:																																																		
Total Chlorine:	-- ppm																																																	
Free Chlorine:	-- ppm																																																	
Ammonia:	-- ppm																																																	
pH:	-- 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																																																	
Condition Assessment																																																		
Graffiti:	None																																																	
Erosion:	None																																																	
Deposition:	None in.																																																	
Damage:	None																																																	

Inspection Date: 9/24/2015 6:32:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: Fully Depth (in): 43		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 7 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	Minor 7 in.	Damage:	None	 <p style="text-align: center;">o20150924053500.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2015</p>
<i>Sampling Results</i>																																																		
Sample Location:																																																		
Total Chlorine:	-- ppm																																																	
Free Chlorine:	-- ppm																																																	
Ammonia:	-- ppm																																																	
pH:	-- 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																																																	
Condition Assessment																																																		
Graffiti:	None																																																	
Erosion:	None																																																	
Deposition:	Minor 7 in.																																																	
Damage:	None																																																	

Inspection Date: 7/16/2013 8:34:01 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																														
Illicit Discharge Potential: Unlikely		Inspector: JCW																																																
Submerged: Partially Depth (in): 41		Notes																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2"><i>Sampling Results</i></td></tr> <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>		<i>Sampling Results</i>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Moderate 9 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	Moderate 9 in.	Damage:	None	 <p style="text-align: center;">o20130716074040.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>
<i>Sampling Results</i>																																																		
Sample Location:																																																		
Total Chlorine:	-- ppm																																																	
Free Chlorine:	-- ppm																																																	
Ammonia:	-- ppm																																																	
pH:	-- 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																																																	
Condition Assessment																																																		
Graffiti:	None																																																	
Erosion:	None																																																	
Deposition:	Moderate 9 in.																																																	
Damage:	None																																																	

Location Map



o20171019145116.JPG

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):

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: Latitude/Longitude:

Northing: 491,307 Latitude: 44.06729

Easting: 797,123 Longitude: -88.52236

Inspection Date: 10/19/2017 2:53:35 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 16

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: 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



o20171019145130.JPG

2017

Sampling Results

Sample Location:

Sample ID: 171019-36

Time Collected: 14:52

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.80 units

Temperature (field): 65 °F

Conductivity (field): 900 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 5:26:17 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 15

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	7.45 units	Gross Solids:	None
Temperature:	65 °F	Vegetation:	None
Conductivity:	654 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Notes

Condition Assessment

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



o20161018172406.JPG

2016

Inspection Date: 9/24/2015 6:43:24 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 19

Sampling Results

Sample Location:	Pool	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

Notes

Condition Assessment

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



o20150924054540.JPG

2015

Inspection Date: 7/16/2013 8:46:08 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 18

Sampling Results

Sample Location:	Pool	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

Notes

Condition Assessment

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



o20130716074908.JPG

2013

Inspection Date: 10/10/2016 1:39:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20161010133812.JPG

2016

Inspection Date: 9/23/2015 10:42:40 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not located - screened at 16-142 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20150923094512.JPG

2015

Inspection Date: 10/7/2014 8:03:04 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged and not located - screened upstream at 16-142 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20141007070234.JPG

2014

Inspection Date: 6/20/2012 10:45:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Floatables:	None	
Sample Location:		Odor:	None	
Total Chlorine: -- ppm		Turbidity:	None	
Free Chlorine: -- ppm		Color:	None	
Ammonia: -- ppm		Gross Solids:	None	
pH: -- units		Vegetation:	None	
Temperature -- °F		Benthic Growth:	None	
Conductivity: -- µS/cm		Stains:	None	
Detergents: -- mg/L		Non-illicit:	None	
		Notes		
		Outfall fully submerged; screened upstream at 16-142 US1.		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None in.	
		Damage:	None	



o20120620094610.JPG

2012

Inspection Date: 10/11/2011 12:41:17 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> <p>Notes</p> <p>2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.</p> </div>																			
Submerged: Fully		Depth (in):	<div style="border: 1px solid black; padding: 5px;"> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None 0 in.</p> <p>Damage: None</p> </div>																			
<div style="border: 1px solid black; padding: 5px;"> <p>Sampling Results</p> <p>Sample Location:</p> <p>Total Chlorine: -- ppm</p> <p>Free Chlorine: -- ppm</p> <p>Ammonia: -- ppm</p> <p>pH: -- units</p> <p>Temperature -- °F</p> <p>Conductivity: -- µS/cm</p> <p>Detergents: -- mg/L</p> </div>		<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	 <p style="text-align: center; font-size: small;">o20111011124048.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold; color: orange;">2011</p>	
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					

Inspection Date: 8/19/2010 8:26:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW	<div style="border: 1px solid black; padding: 5px;"> <p>Notes</p> <p>Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1.</p> </div>																			
Submerged: Fully		Depth (in):	<div style="border: 1px solid black; padding: 5px;"> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None 0 in.</p> <p>Damage: None</p> </div>																			
<div style="border: 1px solid black; padding: 5px;"> <p>Sampling Results</p> <p>Sample Location:</p> <p>Total Chlorine: -- ppm</p> <p>Free Chlorine: -- ppm</p> <p>Ammonia: -- ppm</p> <p>pH: -- units</p> <p>Temperature -- °F</p> <p>Conductivity: -- µS/cm</p> <p>Detergents: -- mg/L</p> </div>		<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	 <p style="text-align: center; font-size: small;">o20100819081820.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold; color: orange;">2010</p>	
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:

16-142

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017110916.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: 10/17/2017 11:13:34 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 17

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole. Ammonia assumed due to decomposing leaves.



o20171017110926.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-71

Time Collected: 11:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 1 ppm

pH (field): 7.56 units

Temperature (field): 66 °F

Conductivity (field): 535 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/10/2016 1:41:25 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 18		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Potential illicit discharge due to gross solids.		
Total Chlorine: 0 ppm	Odor: Easily detected	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 1 ppm	Color: None			
pH: 6.65 units	Gross Solids: Moderate			
Temperature 70 °F	Vegetation: None			
Conductivity: 809 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: Moderate			



o20161010133936.JPG

2016

Inspection Date: 9/23/2015 10:45:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 21		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Floating gross solids (litter) in manhole.		
Total Chlorine: 0 ppm	Odor: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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

2015

Inspection Date: 10/7/2014 8:03:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 15		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Floating gross solids (litter) in catchbasin.		
Total Chlorine: 0 ppm	Odor: Faint	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
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

2014

Inspection Date: 6/20/2012 10:46:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 23		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	2011 gross solids follow-up. Visual screening only.		
Total Chlorine: -- ppm	Odor: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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

2012

Inspection Date: 10/11/2011 12:44:57 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20111011124148.JPG 2011	
Submerged: Fully Depth (in): 16				2010 screening follow-up. Floatable debris still present.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: None		Deposition: None 0 in.			
Ammonia: 0 ppm		Color: None		Damage: 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					

Inspection Date: 5/26/2011 2:50:00 PM		Type: Other		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20110526145102.JPG 2011	
Submerged: Fully Depth (in):				Limited screening conducted to check for floatable debris.			
Sampling Results				Condition Assessment			
Sample Location:		Floatables: Moderate		Graffiti: None			
Total Chlorine: -- ppm		Odor:		Erosion: None			
Free Chlorine: -- ppm		Turbidity:		Deposition: None 0 in.			
Ammonia: -- ppm		Color:		Damage: None			
pH: -- units		Gross Solids: None					
Temperature -- °F		Vegetation:					
Conductivity: -- µS/cm		Benthic Growth:					
Detergents: -- mg/L		Stains:					
		Non-illicit: Moderate					

Inspection Date: 8/19/2010 8:30:49 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 o20100819082134.JPG 2010	
Submerged: Fully Depth (in): 22				Floatable debris in catchbasin.			
Sampling Results				Condition Assessment			
Sample Location: Pool		Floatables: None		Graffiti: None			
Total Chlorine: 0 ppm		Odor: None		Erosion: None			
Free Chlorine: 0 ppm		Turbidity: Slight cloudiness		Deposition: None 0 in.			
Ammonia: 0 ppm		Color: Faint in bottle		Damage: None			
pH: 7.84 units		Gross Solids: Moderate					
Temperature 73 °F		Vegetation: None					
Conductivity: -- µS/cm		Benthic Growth: Slight					
Detergents: 0 mg/L		Stains: None					
		Non-illicit: None					

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20171018104804.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 474,621 Latitude: 44.02151
Easting: 787,925 Longitude: -88.55731

Location Map



Inspection Date: 10/18/2017 10:51:04 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-28 US1.



o20171018104810.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 1:49:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Outfall fully submerged and not located - screened upstream at 16-28 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	in.	
		Damage: None		



o20161018134846.JPG

2016

Inspection Date: 8/18/2010 2:25:01 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Outfall fully submerged and not physically located. Outfall screened upstream at 16-28 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	0 in.	
		Damage: None		



o20100818141424.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-28

Dimensions

Diameter (in):

Height/Depth (in):

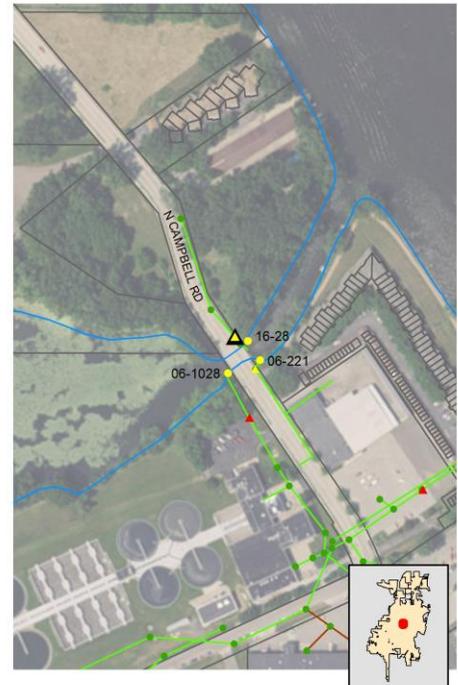
Width (in):



o20171018104914.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: 10/18/2017 10:53:37 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 34

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171018104936.JPG

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171018-15
 Time Collected: 10:50
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.14 units
 Temperature (field): 65 °F
 Conductivity (field): 205 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 1:52:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids.
Submerged: Fully	Depth (in): 32			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.43 units	Gross Solids: Moderate	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Temperature 68 °F	Vegetation: None			
Conductivity: 419 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20161018134942.JPG

2016

Inspection Date: 8/18/2010 2:28:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None
Submerged: Fully	Depth (in): 34			
<i>Sampling Results</i>				
Sample Location: Pool	Floatables: None			
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
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

2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171018102646.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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 477,606 Latitude: 44.02969
 Easting: 786,843 Longitude: -88.56143

Location Map



Inspection Date: 10/18/2017 10:29:31 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-71 US1.



o20171018102648.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 12:29:31 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																															
Illicit Discharge Potential: Potential		Inspector: JCW		 <p style="font-size: small; margin-top: 5px;">o20161018122812.JPG</p> <p style="font-size: large; font-weight: bold; margin-top: 10px;">2016</p>																															
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 16-71 US1.																																	
<table border="0" style="width:100%;"> <tr> <td style="width: 20%;"><i>Sampling Results</i></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 40%;"></td> </tr> <tr> <td>Sample Location:</td> <td>Floatables:</td> <td>None</td> <td rowspan="10" style="border: 1px solid black; vertical-align: top;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- ° F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		<i>Sampling Results</i>				Sample Location:	Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- ° F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None		
<i>Sampling Results</i>																																			
Sample Location:	Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																
Total Chlorine: -- ppm	Odor:	None																																	
Free Chlorine: -- ppm	Turbidity:	None																																	
Ammonia: -- ppm	Color:	None																																	
pH: -- units	Gross Solids:	None																																	
Temperature -- ° F	Vegetation:	None																																	
Conductivity: -- µS/cm	Benthic Growth:	None																																	
Detergents: -- mg/L	Stains:	None																																	
	Non-illicit:	None																																	

Inspection Date: 8/25/2010 7:58:16 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																															
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="font-size: small; margin-top: 5px;">o20100825075024.JPG</p> <p style="font-size: large; font-weight: bold; margin-top: 10px;">2010</p>																															
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-71 US1.																																	
<table border="0" style="width:100%;"> <tr> <td style="width: 20%;"><i>Sampling Results</i></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 40%;"></td> </tr> <tr> <td>Sample Location:</td> <td>Floatables:</td> <td>None</td> <td rowspan="10" style="border: 1px solid black; vertical-align: top;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- ° F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		<i>Sampling Results</i>				Sample Location:	Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- ° F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None		
<i>Sampling Results</i>																																			
Sample Location:	Floatables:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																
Total Chlorine: -- ppm	Odor:	None																																	
Free Chlorine: -- ppm	Turbidity:	None																																	
Ammonia: -- ppm	Color:	None																																	
pH: -- units	Gross Solids:	None																																	
Temperature -- ° F	Vegetation:	None																																	
Conductivity: -- µS/cm	Benthic Growth:	None																																	
Detergents: -- mg/L	Stains:	None																																	
	Non-illicit:	None																																	

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



o20171018102736.JPG

Outfall Notes:

Upstream manhole located approx 85 ft W of outfall 16-71. Intermediate area consists of open space.

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

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: 10/18/2017 10:31:41 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 23

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018102752.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-18

Time Collected: 10:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.52 units

Temperature (field): 66 °F

Conductivity (field): 527 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 12:32:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Potential illicit discharge due to gross solids. Four syringes removed from manhole.
Submerged: Fully		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.7 units Temperature: 66 °F Conductivity: 632 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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 o20161018122930.JPG 2016

Inspection Date: 8/25/2010 8:00:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: Fully		Depth (in): 28		
Sampling Results 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	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 o20100825075232.JPG 2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171018103430.JPG

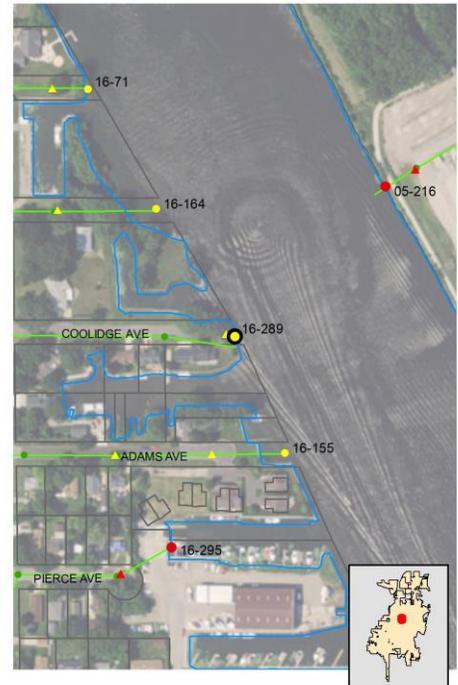
Outfall Notes:

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.

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 476,991 Latitude: 44.02801
 Easting: 787,194 Longitude: -88.56009

Location Map



Inspection Date: 10/18/2017 10:37:20 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-289 US1.



o20171018103438.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 1:01:31 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		 <p style="font-size: small;">o20161018130012.JPG</p> <p style="font-size: large; font-weight: bold; color: orange;">2016</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not located - screened upstream at 16-289 US1.		
<i>Sampling Results</i>		Condition Assessment		
Sample Location:	Floatables:	Graftiti: None		
Total Chlorine: -- ppm	Odor:	Erosion: None		
Free Chlorine: -- ppm	Turbidity:	Deposition: None in.		
Ammonia: -- ppm	Color:	Damage: None		
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			

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		 <p style="font-size: small;">o20100825081912.JPG</p> <p style="font-size: large; font-weight: bold; color: orange;">2010</p>
Submerged: Fully Depth (in):		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-289 US1.		
<i>Sampling Results</i>		Condition Assessment		
Sample Location:	Floatables:	Graftiti: None		
Total Chlorine: -- ppm	Odor:	Erosion: None		
Free Chlorine: -- ppm	Turbidity:	Deposition: None 0 in.		
Ammonia: -- ppm	Color:	Damage: None		
pH: -- units	Gross Solids:			
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:			

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):

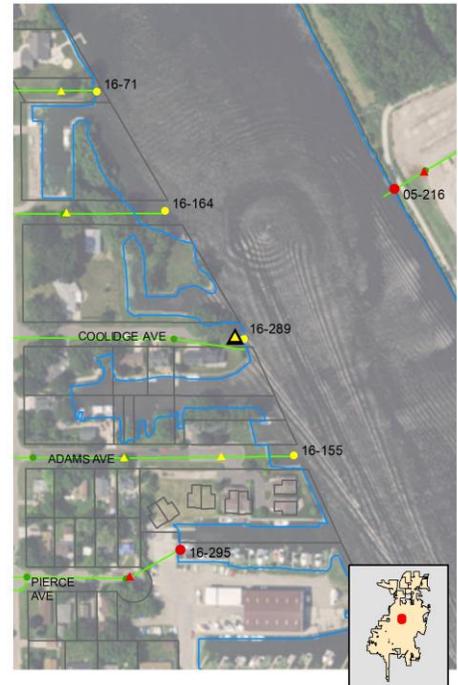
Width (in):



o20171018103526.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: 10/18/2017 10:39:14 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171018103536.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171018-89

Time Collected: 10:35

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.31 units

Temperature (field): 65 °F

Conductivity (field): 370 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 1:04:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Partially		Depth (in): 14																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"> </td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	0 ppm																	
pH:	8.15 units																	
Temperature:	67 °F																	
Conductivity:	374 µS/cm																	
Detergents:	0 mg/L																	
Floatables:	None																	
Odor:	None																	
Turbidity:	None																	
Color:	Faint in bottle																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	None																	
Stains:	Moderate																	
Non-illicit:	None																	



o20161018130212.JPG

2016

Inspection Date: 8/25/2010 8:30:14 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+														
Illicit Discharge Potential: Unlikely		Inspector: JCW																
Submerged: Partially		Depth (in): 18																
<i>Sampling Results</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Notes</td></tr> <tr><td colspan="2" style="height: 50px;"> </td></tr> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Notes				Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
Notes																		
Condition Assessment																		
Graffiti:	None																	
Erosion:	None																	
Deposition:	None 0 in.																	
Damage:	None																	
Sample Location:	Pool																	
Total Chlorine:	0 ppm																	
Free Chlorine:	0 ppm																	
Ammonia:	0 ppm																	
pH:	7.75 units																	
Temperature:	73 °F																	
Conductivity:	-- µS/cm																	
Detergents:	0 mg/L																	
Floatables:	None																	
Odor:	Faint																	
Turbidity:	Slight cloudiness																	
Color:	Faint in bottle																	
Gross Solids:	None																	
Vegetation:	None																	
Benthic Growth:	Moderate																	
Stains:	None																	
Non-illicit:	None																	



o20100825081932.JPG

2010

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):



o20171019132614.JPG

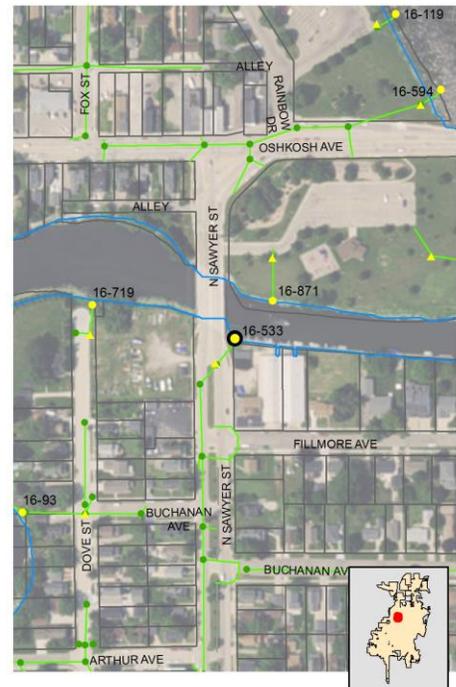
Outfall Notes:

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

Mapping Precision:
Desktop mapping estimate
 Not Physically Located

County Coordinates: Latitude/Longitude:
Northing: 478,815 Latitude: 44.03301
Easting: 785,375 Longitude: -88.56701

Location Map



Inspection Date: 10/19/2017 1:28:21 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-533 US1.

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



o20171019132622.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 9:28:25 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not located - screened upstream at 16-533 US1.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 <p style="font-size: small;">10/18/2016 o20161018092038.JPG</p> <p style="font-size: large; font-weight: bold;">2016</p>

Inspection Date: 9/23/2015 10:32:22 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not located - screened at 16-533 US1.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 <p style="font-size: small;">09/23/2015 10:32:22 AM o20150923093118.JPG</p> <p style="font-size: large; font-weight: bold;">2015</p>

Inspection Date: 10/7/2014 9:08:49 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not located - screened upstream at 16-533 US1.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
				 <p style="font-size: small;">10/07/2014 09:08:49 AM o20141007080736.JPG</p> <p style="font-size: large; font-weight: bold;">2014</p>

Inspection Date: 10/11/2011 12:16:32 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1.
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
				 <p style="font-size: small;">10/11/2011 12:16:32 PM o20111011121620.JPG</p> <p style="font-size: large; font-weight: bold;">2011</p>

Inspection Date: 8/26/2010 10:11:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Potential		Inspector: JCW		<div style="border: 1px solid black; padding: 5px;"> <p>Notes</p> <p>Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1.</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None 0 in.</p> <p>Damage: None</p> </div>																																				
Submerged: Fully Depth (in):																																								
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>Sampling Results</i></p> <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>None</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td><td>Turbidity:</td><td>None</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td><td>Color:</td><td>None</td></tr> <tr><td>pH:</td><td>-- units</td><td>Gross Solids:</td><td>None</td></tr> <tr><td>Temperature:</td><td>-- °F</td><td>Vegetation:</td><td>None</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td><td>Stains:</td><td>None</td></tr> <tr><td></td><td></td><td>Non-illicit:</td><td>None</td></tr> </table> </div> <div style="width: 45%; text-align: right;">  <p style="font-size: small; text-align: center;">o20100826094912.JPG</p> <p style="font-size: large; font-weight: bold; text-align: center;">2010</p> </div> </div>					Sample Location:		Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- °F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None
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																																					

Location Map



o20171019133042.JPG

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):

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: Latitude/Longitude:

Northing: 478,755 Latitude: 44.03284

Easting: 785,326 Longitude: -88.56720

Inspection Date: 10/19/2017 1:34:48 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171019133054.JPG

- 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

2017

Sampling Results

Sample Location:
 Sample ID: 171019-100
 Time Collected: 13:35
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.89 units
 Temperature (field): 66 °F
 Conductivity (field): 668 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 9:29:17 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 40

Sampling Results	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.94 units
Temperature:	63 °F
Conductivity:	482 µS/cm
Detergents:	0 mg/L

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

Notes
Potential illicit discharge due to gross solids.

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



o20161018092516.JPG

2016

Inspection Date: 9/23/2015 10:32:59 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 36

Sampling Results	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.95 units
Temperature:	71 °F
Conductivity:	363 µS/cm
Detergents:	0 mg/L

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

Notes
Floating gross solids (litter) - including syringe - in manhole.

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



o20150923093204.JPG

2015

Inspection Date: 10/7/2014 9:13:45 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Fully Depth (in): 34

Sampling Results	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.67 units
Temperature:	-- °F
Conductivity:	474 µS/cm
Detergents:	0 mg/L

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

Notes
Floating gross solids (litter) in manhole.

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



o20141007081140.JPG

2014

Inspection Date: 10/11/2011 12:22:21 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Unlikely** **Inspector:** JCW

Submerged: Fully Depth (in): 16

Sampling Results	
Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.9 units
Temperature:	70 °F
Conductivity:	-- µS/cm
Detergents:	-- mg/L

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

Notes
2010 screening follow-up. Floatable debris significantly reduced.

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



o20111011121924.JPG

2011

Inspection Date: 5/26/2011 2:35:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully	Depth (in):			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm		Odor:		
Free Chlorine: -- ppm		Turbidity:		
Ammonia: -- ppm		Color:		
pH: -- units		Gross Solids: Moderate		
Temperature: -- °F		Vegetation:		
Conductivity: -- µS/cm		Benthic Growth:		
Detergents: -- mg/L		Stains:		
		Non-illicit: None		



o20110526143524.JPG

2011

Inspection Date: 8/26/2010 10:01:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Floatable debris in manhole.	
Submerged: Fully	Depth (in): 36			
Sampling Results Sample Location: Pool		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm		Odor: None		
Free Chlorine: 0 ppm		Turbidity: None		
Ammonia: 0 ppm		Color: Faint in bottle		
pH: 7.23 units		Gross Solids: Moderate		
Temperature: 76 °F		Vegetation: None		
Conductivity: -- µS/cm		Benthic Growth: Slight		
Detergents: 0 mg/L		Stains: None		
		Non-illicit: None		



o20100826095640.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 24
Height/Depth (in):
Width (in):



o20171017112240.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: **Latitude/Longitude:**
Northing: 479,419 Latitude: 44.03466
Easting: 785,894 Longitude: -88.56504

Inspection Date: 10/17/2017 11:24:35 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

Notes: Outfall fully submerged and not located - screened upstream at 16-594 US1. Floating gross solids (litter) in manhole.



o20171017112242.JPG

- 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

2017

Sampling Results

Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- ppm
Free Chlorine (field): -- ppm
Ammonia (field): -- ppm
pH (field): -- units
Temperature (field): -- °F
Conductivity (field): -- µS/cm
Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

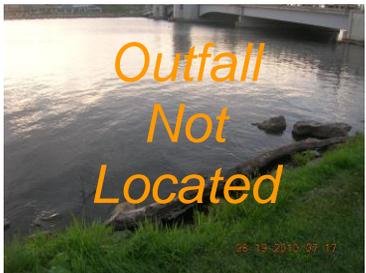
Inspection Date: 10/10/2016 2:04:49 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Outfall fully submerged and not located -screened upstream at 16-594 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- ° F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	in.	
		Damage: None		



o20161010140356.JPG

2016

Inspection Date: 8/19/2010 7:23:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
<i>Sampling Results</i>		Notes		
Sample Location:	Floatables: None	Outfall fully submerged and not physically located. Outfall screened upstream at 16-594 US1.		
Total Chlorine: -- ppm	Odor: None			
Free Chlorine: -- ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: -- units	Gross Solids: None			
Temperature -- ° F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	0 in.	
		Damage: None		



o20100819071708.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-594



o20171017112302.JPG



Outfall Notes:

Upstream manhole located approx 60 ft WSW of outfall 16-594. Intermediate area consists of open space in park.

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 479,381 Latitude: 44.03456

Easting: 785,842 Longitude: -88.56524

Inspection Date: 10/17/2017 11:27:30 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Fully Depth (in): 51

Illicit Discharge Potential: Potential

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



o20171017112318.JPG

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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-63
 Time Collected: 11:23
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 6.98 units
 Temperature (field): 68 °F
 Conductivity (field): 741 µS/cm
 Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/10/2016 2:07:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 51		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: Slight	Potential illicit discharge due to gross solids.		
Total Chlorine: 0 ppm	Odor: Easily detected			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0.25 ppm	Color: None			
pH: 7.17 units	Gross Solids: Moderate			
Temperature 71 °F	Vegetation: None			
Conductivity: 831 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	in.	
		Damage: None		



o20161010140454.JPG

2016

Inspection Date: 8/19/2010 7:26:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 51		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: Slight	2 small oil drops, likely from Oshkosh Ave runoff.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: Faint in bottle			
pH: 7.44 units	Gross Solids: Slight			
Temperature 75 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None		
		Erosion: None		
		Deposition: None	0 in.	
		Damage: None		



o20100819071738.JPG

2010

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171003141026.JPG

Outfall Notes:

Storm sewer from Westbrook Dr discharges to stream from south.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 475,549 Latitude: 44.02403
 Easting: 779,699 Longitude: -88.58858

Inspection Date: 10/3/2017 2:13:00 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection. Last 1' of pipe undercut 7". Scour hole at end of pipe.



o20171003141038.JPG

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

2017

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: Moderate

Deposition: None Depth (in):

Damage: Minor Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 7:46:42 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: JCW
 Submerged: None Depth (in):

Notes
 Pipe dry at time of inspection.



o20120530064618.JPG

2012

Sampling Results			
Sample Location:		Floatables:	None
Total Chlorine:	-- ppm	Odor:	None
Free Chlorine:	-- ppm	Turbidity:	None
Ammonia:	-- ppm	Color:	None
pH:	-- units	Gross Solids:	None
Temperature	-- ° F	Vegetation:	None
Conductivity:	-- µS/cm	Benthic Growth:	None
Detergents:	-- mg/L	Stains:	Slight
		Non-illicit:	None

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

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171003135720.JPG

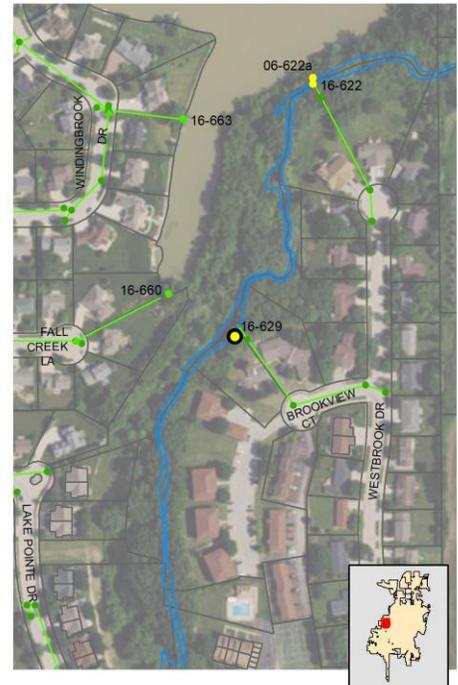
Outfall Notes:

Storm sewer from Brookview Ct discharges to stream from south.

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 474,931 Latitude: 44.02234
 Easting: 779,495 Longitude: -88.58935

Location Map



Inspection Date: 10/3/2017 2:00:05 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection. Last 2' of pipe undercut 15".



o20171003135740.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: Minor Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 8:08:34 AM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely
 Submerged: None Depth (in):

Inspector: JCW

Notes
 Pipe wet but no flow at time of inspection.



o20120530070842.JPG

Sampling Results

Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature	-- ° 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

Condition Assessment

Graffiti:	None
Erosion:	Minor
Deposition:	None
Damage:	Minor

in.

2012

Inspection Date: 6/6/2012 12:26:31 PM Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely Inspector: JCW
 Submerged: None Depth (in):

Notes
 Wet but no flow. Minor litter, likely from construction.



o20120606112916.JPG

2012

Sampling Results

Sample Location:	
Total Chlorine:	-- ppm
Free Chlorine:	-- ppm
Ammonia:	-- ppm
pH:	-- units
Temperature	-- °F
Conductivity:	-- µS/cm
Detergents:	-- mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	Slight
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Condition Assessment

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

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 21

Height/Depth (in):

Width (in):

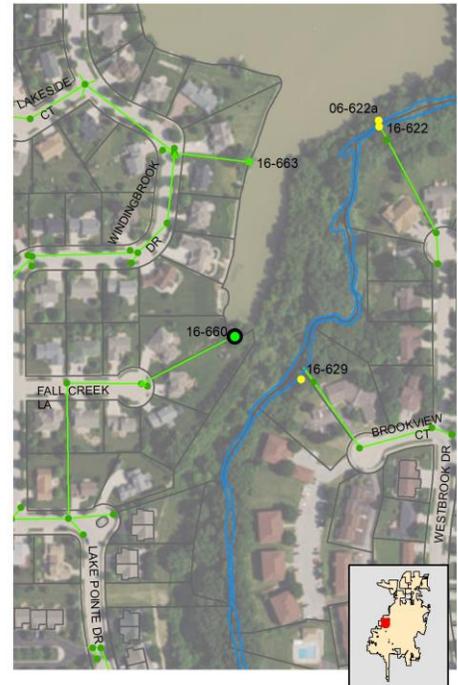


o20171003110154.JPG

Outfall Notes:

Storm sewer from Fall Creek Ln discharges to south end of detention basin.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 475,039

Easting: 779,334

Latitude/Longitude:

Latitude: 44.02263

Longitude: -88.58997

Inspection Date: 10/3/2017 11:03:37 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 12

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 16-660 US1. Detergent detected in sample.



o20171003110156.JPG

- 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

2017

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: 5/30/2012 10:59:58 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW					
Submerged: Partially		Depth (in): 10					
<u>Sampling Results</u>		Floatables:		None			
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		Slight			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		Moderate			
Conductivity: -- µS/cm		Stains:		Slight			
Detergents: -- mg/L		Non-illicit:		None			
				<u>Notes</u> Outfall partially submerged. Outfall screened upstream at 16-660.			
				<u>Condition Assessment</u> Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None			
				 <p style="text-align: center; font-size: small;">o20120530100048.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2012</p>			

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-660

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171003110644.JPG

Outfall Notes:

Upstream manhole located approx 257 ft WSW of outfall 16-660. Intermediate area consists of residential property.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates: Latitude/Longitude:

Northing: 474,930 Latitude: 44.02233

Easting: 779,104 Longitude: -88.59084

Inspection Date: 10/17/2017 9:02:21 AM Inspector: JCW Inspection Type: Repeat Previous Rainfall (hrs): 48-72

Flow Description: Moderate

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

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

Notes: Repeat inspection due to detergent. No detergent detected in manhole sample.



o20171017085628.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171017-42

Time Collected: 08:58

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.78 units

Temperature (field): 61 °F

Conductivity (field): 926 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/3/2017 11:12:57 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Sample collected from flow in manhole. Detergent detected in sample.			
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment			
Sample Location: Flow		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None	in.
Ammonia: 0 ppm		Color:	None	Damage:		None	
pH: 8.26 units		Gross Solids:	None				
Temperature 76 °F		Vegetation:	None				
Conductivity: 845 µS/cm		Benthic Growth:	None				
Detergents: 0.55 mg/L		Stains:	None				
		Non-illicit:	None				

o20171003110702.JPG

2017

Inspection Date: 5/30/2012 11:04:45 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes			
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment			
Sample Location: Flow		Floatables:	None	Graffiti:		None	
Total Chlorine: 0 ppm		Odor:	None	Erosion:		None	
Free Chlorine: 0 ppm		Turbidity:	None	Deposition:		None	in.
Ammonia: 0 ppm		Color:	None	Damage:		None	
pH: 8.35 units		Gross Solids:	None				
Temperature 59 °F		Vegetation:	None				
Conductivity: 1148 µS/cm		Benthic Growth:	None				
Detergents: 0 mg/L		Stains:	None				
		Non-illicit:	None				

o20120530100806.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171003104602.JPG

Outfall Notes:

Storm sewer from Windingbrook Dr discharges to west side of detention basin.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 475,469

Easting: 779,377

Latitude/Longitude:

Latitude: 44.02381

Longitude: -88.58980

Inspection Date: 10/3/2017 10:46:54 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 21

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-663 US1. Apron displaced 2".



o20171003104616.JPG

- 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

2017

Sampling Results

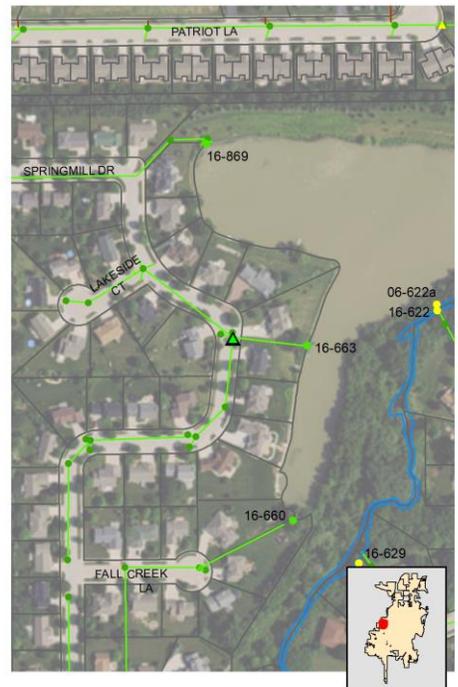
Sample Location:
 Sample ID:
 Time Collected:
 Total Chlorine (field): -- ppm
 Free Chlorine (field): -- ppm
 Ammonia (field): -- ppm
 pH (field): -- units
 Temperature (field): -- °F
 Conductivity (field): -- µS/cm
 Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: Moderate Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 5/30/2012 10:43:21 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged. Outfall screened upstream at 16-663 US1.		 <p style="font-size: small; text-align: center;">o20120530094448.JPG</p> <p style="font-size: x-large; font-weight: bold; text-align: center;">2012</p>	
Submerged: Partially Depth (in): 18							
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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: Slight Stains: Slight Non-illicit: None					

Location Map



o20171003104950.JPG

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-66.3

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Outfall Notes:

Upstream manhole located approx 184 ft WNW of outfall 16-663. Intermediate area consists of residential property.

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 475,489

Easting: 779,195

Latitude/Longitude:

Latitude: 44.02387

Longitude: -88.59050

Inspection Date: 10/3/2017 10:53:34 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Moderate

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

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

Notes: Sample collected from flow in manhole.



o20171003105000.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171003-98

Time Collected: 10:50

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 7.08 units

Temperature (field): 74 °F

Conductivity (field): 1040 µS/cm

Detergents: 0 mg/L

Inspection Date: 5/30/2012 10:47:53 AM Type: Ongoing Flow: Moderate Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely
 Submerged: None Depth (in):

Inspector: JCW

Notes
 Sample collected from incoming flow (NW pipe).



o20120530095222.JPG

2012

Sampling Results

Sample Location:	Flow
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	7.36 units
Temperature:	60 °F
Conductivity:	1146 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Condition Assessment

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

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):



o20171017102808.JPG

Outfall Notes:

Storm sewer from Koeller St discharges to stream from south.

Location Map



Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 476,529 Latitude: 44.02672
 Easting: 781,598 Longitude: -88.58137

Inspection Date: 10/17/2017 10:32:21 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Trickle

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from pipe flow.



o20171017102814.JPG

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

2017

Sampling Results

Sample Location: Flow

Sample ID: 171017-74

Time Collected: 10:28

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.35 units

Temperature (field): 65 °F

Conductivity (field): 1704 µS/cm

Detergents: 0 mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 7:21:24 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Elevated conductivity, but no other parameters out of range.
Submerged: None Depth (in):				
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.29 units Temperature: 64 °F Conductivity: 3880 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018071712.JPG <h2 style="margin: 0;">2016</h2>	

Inspection Date: 9/28/2015 7:20:55 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Flowline wet, but no flow at time of inspection.
Submerged: None Depth (in):				
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150928062340.JPG <h2 style="margin: 0;">2015</h2>	

Inspection Date: 6/6/2012 11:50:55 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes (Empty)
Submerged: None Depth (in):				
Sampling Results 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		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120606105408.JPG <h2 style="margin: 0;">2012</h2>	

Non-Priority Non-Major Outfall

Location Map

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20171003103306.JPG

Outfall Notes:

Storm sewer from Springmill Dr discharges to northwest corner of detention basin.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 475,969

Easting: 779,138

Latitude/Longitude:

Latitude: 44.02518

Longitude: -88.59072

Inspection Date: 10/3/2017 10:35:10 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 15

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-869 US1.



o20171003103318.JPG

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

2017

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: 5/30/2012 10:27:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Partially Depth (in): 32		<div style="border: 1px solid black; padding: 5px;"> Notes Outfall partially submerged and not accessible for full screening. Screened upstream at 16-869 US1. </div>																				
<div style="border: 1px solid black; padding: 5px;"> Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L </div>																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: Erosion: None Deposition: None in. Damage: None </div>		
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	None																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Slight																					
Non-illicit:	None																					
		 <p style="font-size: small;">o20120530092740.JPG</p> <h2 style="margin: 0;">2012</h2>																				

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-869

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171003103524.JPG

Outfall Notes:

Upstream manhole located in same outlet structure as outfall 16-869.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 475,976

Easting: 779,132

Latitude/Longitude:

Latitude: 44.02520

Longitude: -88.59074

Inspection Date: 10/3/2017 10:38:50 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171003103534.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-81

Time Collected: 10:37

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.19 units

Temperature (field): 73 °F

Conductivity (field): 618 µS/cm

Detergents: 0 mg/L

Inspection Date: 5/30/2012 10:29:11 AM Type: Ongoing Flow: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely**
 Submerged: Partially Depth (in): 10

Inspector: JCW

Notes



o20120530093158.JPG

2012

Sampling Results

Sample Location:	Pool
Total Chlorine:	0 ppm
Free Chlorine:	0 ppm
Ammonia:	0 ppm
pH:	8.12 units
Temperature:	66 °F
Conductivity:	747 µS/cm
Detergents:	0 mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	
Vegetation:	None
Benthic Growth:	None
Stains:	Slight
Non-illicit:	None

Condition Assessment

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

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

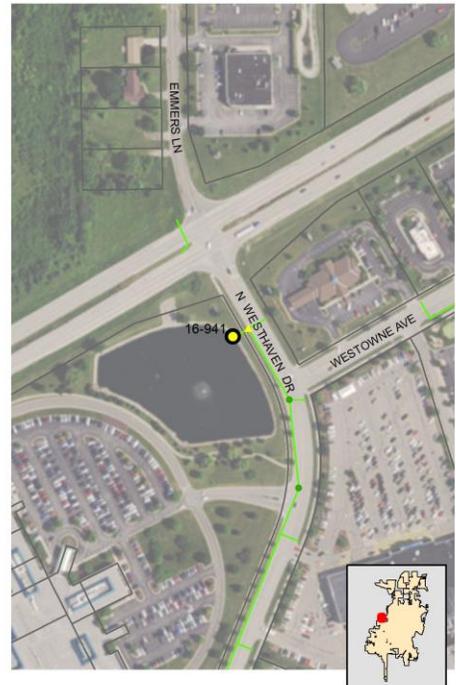


o20171003095908.JPG

Outfall Notes:

Storm sewer from Westhaven Dr discharges to Aurora detention basin, which ultimately discharges to STH 21 right-of-way.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 477,537

Easting: 778,424

Latitude/Longitude:

Latitude: 44.02948

Longitude: -88.59344

Inspection Date: 10/3/2017 10:01:36 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 14

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-941 US1.



o20171003095924.JPG

- 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

2017

Sampling Results

Sample Location:
 Sample ID:
 Time Collected:
 Total Chlorine (field): -- ppm
 Free Chlorine (field): -- ppm
 Ammonia (field): -- ppm
 pH (field): -- units
 Temperature (field): -- °F
 Conductivity (field): -- µS/cm
 Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: Minor Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 6/6/2012 1:03:13 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Grate detached from apron. Outfall partially submerged. Outfall screened upstream at 16-941 US1.		 <p style="font-size: small; text-align: center;">o20120606120050.JPG</p> <p style="font-size: large; font-weight: bold; text-align: center;">2012</p>	
Submerged: Partially Depth (in): 6							
<i>Sampling Results</i>				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor			
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					

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:

16-941

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171003100136.JPG

Outfall Notes:

Upstream curb inlet located approx 43 ft NE of outfall 16-941. Intermediate area consists of street right-of-way.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 477,557

Easting: 778,462

Latitude/Longitude:

Latitude: 44.02954

Longitude: -88.59329

Inspection Date: 10/3/2017 10:05:05 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 13

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.

Floatables: Petrol. Sheen Suds Sewage Algae Other

Odor: Petroleum Musty Sewage Chlorine Other

VOC/Solvent Fishy Sulfur Fragrant

Turbidity:

Color:

Gross Solids: Litter 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



o20171003100158.JPG

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-54

Time Collected: 10:05

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.11 units

Temperature (field): 72 °F

Conductivity (field): 281 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/6/2012 1:06:05 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Wet but no flow at time of inspection.		 <p style="font-size: small; margin: 0;">o20120606120914.JPG</p> <p style="font-size: x-large; font-weight: bold; margin: 0;">2012</p>	
Submerged: None Depth (in):							
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171003101606.JPG

Outfall Notes:

Storm sewer from Patriot Ln discharges to swale/dry pond that discharges to wet pond.

Location Map



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 476,252

Easting: 779,836

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58806

Inspection Date: 10/3/2017 10:18:12 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Potential

Notes: Outfall partially submerged - screened upstream at 16-995 US1. Detergent detected in sample.



o20171003101614.JPG

- 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

2017

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): 1

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/6/2012 1:21:40 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes No flow leaving pool at end of outfall. Deposition in swale downstream. Screened upstream at 16-995 US1.		 <p style="font-size: small; text-align: center;">o20120606122140.JPG</p>	
Submerged: Partially Depth (in): 9							
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None					

2012

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-995

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017084616.JPG

Outfall Notes:

Upstream manhole located approx 112 ft W of outfall 16-995. Intermediate area consists of open space.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 476,251

Easting: 779,723

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58849

Inspection Date: 10/17/2017 8:51:34 AM Inspector: JCW Inspection Type: Repeat Previous Rainfall (hrs): 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 7

Illicit Discharge Potential: Potential

Notes: Repeat inspection due to detergent. Detergent detected in manhole sample.



o20171017084622.JPG

- 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

2017

Sampling Results

Sample Location: Pool
 Sample ID: 171017-38
 Time Collected: 08:48
 Total Chlorine (field): 0 ppm
 Free Chlorine (field): 0 ppm
 Ammonia (field): 0 ppm
 pH (field): 7.54 units
 Temperature (field): 61 °F
 Conductivity (field): 582 µS/cm
 Detergents: 0.8 mg/L

Physical Condition Assessment

Graffiti: None
 Erosion: None
 Deposition: None Depth (in):
 Damage: None Displacement Undercut Crushed
 Corrosion Cracks/Structural Damage

Inspection Date: 10/3/2017 10:22:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Sample collected from submerged pool in outfall. Detergent detected in sample.		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.45 units	Gross Solids: None			
Temperature 72 °F	Vegetation: None			
Conductivity: 333 µS/cm	Benthic Growth: None			
Detergents: 1.3 mg/L	Stains: None			
	Non-illicit: None			
		Graffiti: None	in.	
		Erosion: None		
		Deposition: None		
		Damage: None		



o20171003101932.JPG

2017

Inspection Date: 6/6/2012 1:28:22 PM		Type: Ongoing	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 1		
<i>Sampling Results</i>		Notes		
Sample Location: Pool	Floatables: None	Sample collected from pool in manhole. No flow entering either pipe.		
Total Chlorine: 0 ppm	Odor: Faint			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.36 units	Gross Solids: Slight			
Temperature 69 °F	Vegetation: None			
Conductivity: 411 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Slight			
	Non-illicit: None			
		Graffiti: None	in.	
		Erosion: None		
		Deposition: None		
		Damage: None		



o20120606122856.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Supplemental Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171003085720.JPG

Outfall Notes:

Outlet pipe from detention basin discharges to riprap swale.

Mapping Precision:

Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 478,412 Latitude: 44.03189
 Easting: 779,958 Longitude: -88.58761

Location Map



Inspection Date: 10/3/2017 8:59:03 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: None
 Submerged: None Depth (in):
Illicit Discharge Potential: Unlikely

Notes: Pipe dry at time of inspection.



o20171003085726.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 6/21/2012 12:38:48 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged. Sample not collected due to screening of upstream outfalls.		 <p style="text-align: center; font-size: small;">o20120621114152.JPG</p>	
Submerged: Partially Depth (in): 3							
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		<h2 style="margin: 0;">2012</h2>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None					

Inspection Date: 9/8/2009		Type: Initial		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p style="text-align: center; font-size: small;">Osh09_DSCN6576.JPG</p>	
Submerged: None Depth (in): 0							
Sampling Results Sample Location:		Floatables:		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		<h2 style="margin: 0;">2009</h2>	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: 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):



o20171003090108.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: 10/3/2017 9:04:39 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-1205 US1.

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



o20171003090114.JPG

2017

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): 1

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 7:06:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
<u>Sampling Results</u>		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:	Slight		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20161018070408.JPG

2016

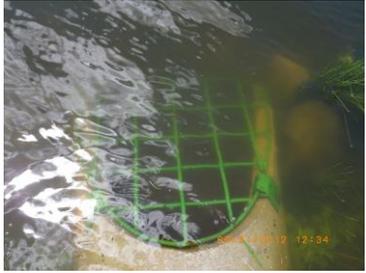
Inspection Date: 9/28/2015 6:36:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20150928053734.JPG

2015

Inspection Date: 6/21/2012 12:32:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 21		
<u>Sampling Results</u>		Notes		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment		
		Graffiti: None		
		Erosion: None		
		Deposition: None in.		
		Damage: None		



o20120621113440.JPG

2012

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):

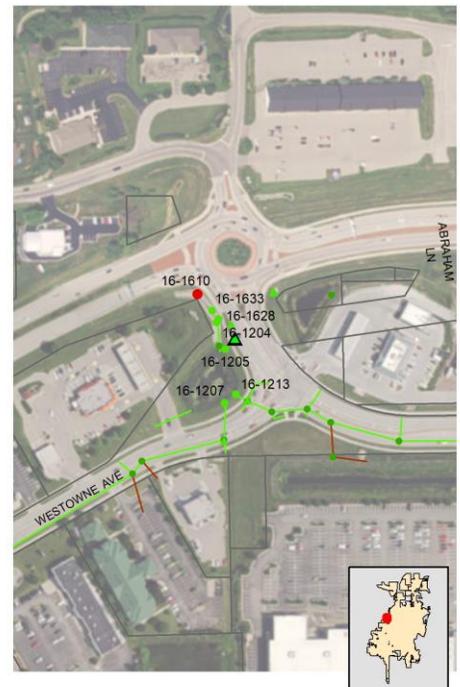
Width (in):



o20171003090242.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: 10/3/2017 9:05:51 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outlet pipe dry - no sample collected.



o20171003090254.JPG

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

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/18/2016 7:08:50 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Water in sump, but no flow entering pipe. No sample collected from sump.		 <p style="text-align: right; font-size: small;">10/18/2016</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None Odor: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2016	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Inspection Date: 9/28/2015 6:42:48 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Water level below outlet pipe - no sample collected. 18" of water in sump, 2" of sediment.		 <p style="text-align: right; font-size: small;">09/28/2015 06:43</p>	
Submerged: None		Depth (in):					
Sampling Results Sample Location:		Floatables: None Odor: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2015	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Inspection Date: 6/21/2012 12:35:14 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Grate could not be removed for sample.		 <p style="text-align: right; font-size: small;">06/21/2012 12:35</p>	
Submerged: Fully		Depth (in): 32					
Sampling Results Sample Location:		Floatables: None Odor: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2012	
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Inspection Date: 6/21/2012 12:21:31 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW					
Submerged: Partially		Depth (in): 21					
<i>Sampling Results</i>		Floatables:		None			
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: -- mg/L		Non-illicit:		None			
				Notes			
				Outfall partially submerged; screened upstream at 16-1207 US1.			
				Condition Assessment			
				Graffiti: None			
				Erosion: None			
				Deposition: None in.			
				Damage: None			



o20120621112356.JPG

2012

Inspection Date: 6/21/2012 12:26:45 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW					
Submerged: Partially		Depth (in): 21					
<i>Sampling Results</i>		Floatables:		None			
Sample Location:		Odor:		None			
Total Chlorine: -- ppm		Turbidity:		None			
Free Chlorine: -- ppm		Color:		None			
Ammonia: -- ppm		Gross Solids:		None			
pH: -- units		Vegetation:		None			
Temperature -- °F		Benthic Growth:		None			
Conductivity: -- µS/cm		Stains:		None			
Detergents: -- mg/L		Non-illicit:		None			
				Notes			
				Outfall partially submerged; screened upstream at 16-1213 US1.			
				Condition Assessment			
				Graffiti: None			
				Erosion: None			
				Deposition: None in.			
				Damage: None			
				 <p style="text-align: center; font-size: small;">o20120621112854.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2012</p>			

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

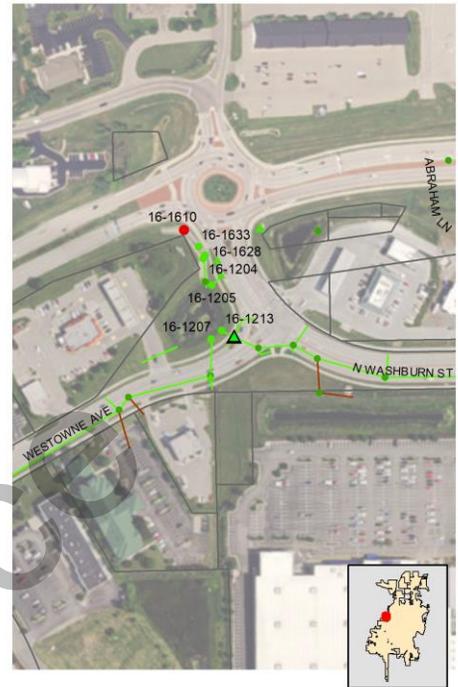
Manhole - concrete

City ID:

16-1213



o20120621113050.JPG



Outfall Notes:

Upstream manhole located approx 34 ft ESE of outfall 16-1213. Intermediate area consists of open space.

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing: 478,218

Easting: 780,030

Latitude/Longitude:

Latitude: 44.03136

Longitude: -88.58733

Inspection Date: 6/21/2012 12:28:52 PM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 0-24

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 21

Illicit Discharge Potential: Unlikely

Notes:



o20120621113054.JPG

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

2012

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

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



o20171017104630.JPG

Outfall Notes:

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

Mapping Precision:
Mapping GPS
 Not Physically Located

County Coordinates: **Latitude/Longitude:**
 Northing: 477,157 Latitude: 44.02845
 Easting: 782,760 Longitude: -88.57695

Location Map



Inspection Date: 10/17/2017 10:50:15 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 26

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 16-1508 US1.

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



o20171017104638.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm

Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None Displacement Undercut Crushed

Corrosion Cracks/Structural Damage

Inspection Date: 10/18/2016 7:30:34 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 21

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	None
Free Chlorine: -- ppm	Turbidity:	None
Ammonia: -- ppm	Color:	None
pH: -- units	Gross Solids:	Slight
Temperature -- °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	Moderate
Detergents: -- mg/L	Stains:	Slight
	Non-illicit:	None

Notes
Graffiti on south bridge abutment. Outfall partially submerged - screened upstream at 16-1508 US1.

Condition Assessment

Graffiti:	Moderate
Erosion:	None
Deposition:	None in.
Damage:	None



o20161018072836.JPG

2016

Inspection Date: 9/28/2015 6:56:23 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 27

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	None
Free Chlorine: -- ppm	Turbidity:	None
Ammonia: -- ppm	Color:	None
pH: -- units	Gross Solids:	Slight
Temperature -- °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	Moderate
Detergents: -- mg/L	Stains:	Moderate
	Non-illicit:	None

Notes
Outfall partially submerged - screened at 16-1508 US1. Elevated ammonia.

Condition Assessment

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



o20150928055850.JPG

2015

Inspection Date: 10/7/2014 10:55:47 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 23

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	None
Free Chlorine: -- ppm	Turbidity:	None
Ammonia: -- ppm	Color:	None
pH: -- units	Gross Solids:	Moderate
Temperature -- °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	Slight
Detergents: -- mg/L	Stains:	Slight
	Non-illicit:	None

Notes
Outfall partially submerged - screened upstream at 16-1508 US1.

Condition Assessment

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



o20141007095432.JPG

2014

Inspection Date: 9/5/2013 12:32:55 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 28

Sampling Results

Sample Location:	Floatables:	None
Total Chlorine: -- ppm	Odor:	None
Free Chlorine: -- ppm	Turbidity:	None
Ammonia: -- ppm	Color:	None
pH: -- units	Gross Solids:	Moderate
Temperature -- °F	Vegetation:	None
Conductivity: -- µS/cm	Benthic Growth:	Moderate
Detergents: -- mg/L	Stains:	Moderate
	Non-illicit:	None

Notes
Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 US1.

Condition Assessment

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



o20130905113702.JPG

2013

Inspection Date: 9/27/2012 12:57:15 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Construction around outfall. Screened upstream at 16-1508 US1.	
Submerged: Partially	Depth (in): 15			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 9 in. Damage: None	
Total Chlorine: -- ppm		Odor: None		
Free Chlorine: -- ppm		Turbidity: None		
Ammonia: -- ppm		Color: None		
pH: -- units		Gross Solids: Slight		
Temperature -- °F		Vegetation: None		
Conductivity: -- µS/cm		Benthic Growth: Slight		
Detergents: -- mg/L		Stains: Slight		
		Non-illicit: None		



o20120927115922.JPG

2012

Inspection Date: 5/30/2012 1:02:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 16-1508 US1.	
Submerged: Partially	Depth (in): 33			
Sampling Results Sample Location:		Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm		Odor: None		
Free Chlorine: -- ppm		Turbidity: None		
Ammonia: -- ppm		Color: None		
pH: -- units		Gross Solids: Slight		
Temperature -- °F		Vegetation: None		
Conductivity: -- µS/cm		Benthic Growth: None		
Detergents: -- mg/L		Stains: None		
		Non-illicit: Slight		



o20120530120256.JPG

2012

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-1508

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017105002.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: 10/17/2017 10:59:29 AM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 48-72

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 26

Illicit Discharge Potential: Unlikely

Notes: Sample collected from submerged pool in manhole.



o20171017105014.JPG

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

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-49

Time Collected: 10:55

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.05 units

Temperature (field): 65 °F

Conductivity (field): 1230 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/18/2016 7:44:01 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 29

Notes

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness
Ammonia:	0 ppm	Color:	None
pH:	8.11 units	Gross Solids:	None
Temperature:	64 °F	Vegetation:	None
Conductivity:	1020 µS/cm	Benthic Growth:	Moderate
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.



o20161018073934.JPG

2016

Inspection Date: 9/28/2015 7:00:26 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 23

Notes

Elevated ammonia.

Sampling Results

Sample Location:	Pool	Floatables:	None
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

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.



o20150928060258.JPG

2015

Inspection Date: 10/7/2014 11:02:53 AM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 48-72

Illicit Discharge Potential: Potential **Inspector:** JCW

Submerged: Partially Depth (in): 22

Notes

Elevated ammonia. Park restrooms shut down for season.

Sampling Results

Sample Location:	Pool	Floatables:	None
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

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.



o20141007095952.JPG

2014

Inspection Date: 9/5/2013 12:37:35 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: Unlikely **Inspector:** JCW

Submerged: Partially Depth (in): 27

Notes

2012 ammonia detection follow-up.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0.5 ppm	Color:	None
pH:	7.82 units	Gross Solids:	None
Temperature:	86 °F	Vegetation:	None
Conductivity:	754 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

Graffiti:	None
Erosion:	None
Deposition:	None
Damage:	None

in.



o20130905114422.JPG

2013

Inspection Date: 9/27/2012 12:51:46 PM **Type:** Repeat **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Partially Depth (in): 9

Notes
Ammonia detection follow-up.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	3 ppm	Color:	None
pH:	7.8 units	Gross Solids:	None
Temperature:	65 °F	Vegetation:	None
Conductivity:	1408 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

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



o20120927115358.JPG

2012

Inspection Date: 6/6/2012 11:27:15 AM **Type:** Repeat **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Partially Depth (in):

Notes
Ammonia detection follow-up.
Limited screening conducted.

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	0 ppm	Color:	None
pH:	8.21 units	Gross Solids:	None
Temperature:	72 °F	Vegetation:	None
Conductivity:	1088 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

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



o20120606102704.JPG

2012

Inspection Date: 5/30/2012 1:14:06 PM **Type:** Ongoing **Flow:** Submerged, indeterminate **Previous Rainfall (hrs):** 72+

Illicit Discharge Potential: **Potential** **Inspector:** JCW

Submerged: Partially Depth (in): 29

Notes

Sampling Results

Sample Location:	Pool	Floatables:	None
Total Chlorine:	0 ppm	Odor:	None
Free Chlorine:	0 ppm	Turbidity:	None
Ammonia:	1 ppm	Color:	None
pH:	7.9 units	Gross Solids:	None
Temperature:	64 °F	Vegetation:	None
Conductivity:	1097 µS/cm	Benthic Growth:	None
Detergents:	0 mg/L	Stains:	None
		Non-illicit:	None

Condition Assessment

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



o20120530121440.JPG

2012

Inspection Date: 6/21/2012 12:50:51 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 0-24	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged; screened upstream at 16-1200a US1.		 <p style="text-align: center; font-size: small;">o20120621115346.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2012</p>	
Submerged: Partially Depth (in): 5							
Sampling Results Sample Location:		Floatables: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None					

Location Map

Structure Type:

Other

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

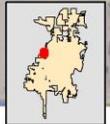
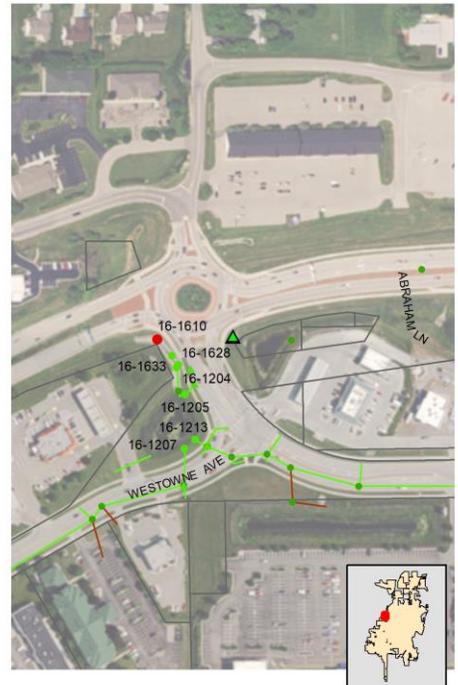
Diameter (in):
Height/Depth (in): 19
Width (in): 29



o20171003093348.JPG

Outfall Notes:

Upstream end of pipe, located approx 155 ft ENE of outfall 16-1633. Intermediate area consists of street right-of-way.



Mapping Precision:

Mapping GPS

Not Physically Located

County Coordinates:

Northing:
Easting:

Latitude/Longitude:

Latitude:
Longitude:

Inspection Date: 10/3/2017 9:37:07 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: Trickle

Submerged: None Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Sample collected from incoming flow.

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



o20171003093354.JPG

2017

Sampling Results

Sample Location: Flow
Sample ID: 171003-57
Time Collected: 09:37
Total Chlorine (field): 0 ppm
Free Chlorine (field): 0 ppm
Ammonia (field): 0 ppm
pH (field): 7.87 units
Temperature (field): 72 °F
Conductivity (field): 1885 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



IDDE Potential

- Potential (25)
- Obvious (0)

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2017 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH POTENTIAL
ILLICIT DISCHARGES

CITY OF OSHKOSH
 WINNEBAGO COUNTY, WISCONSIN

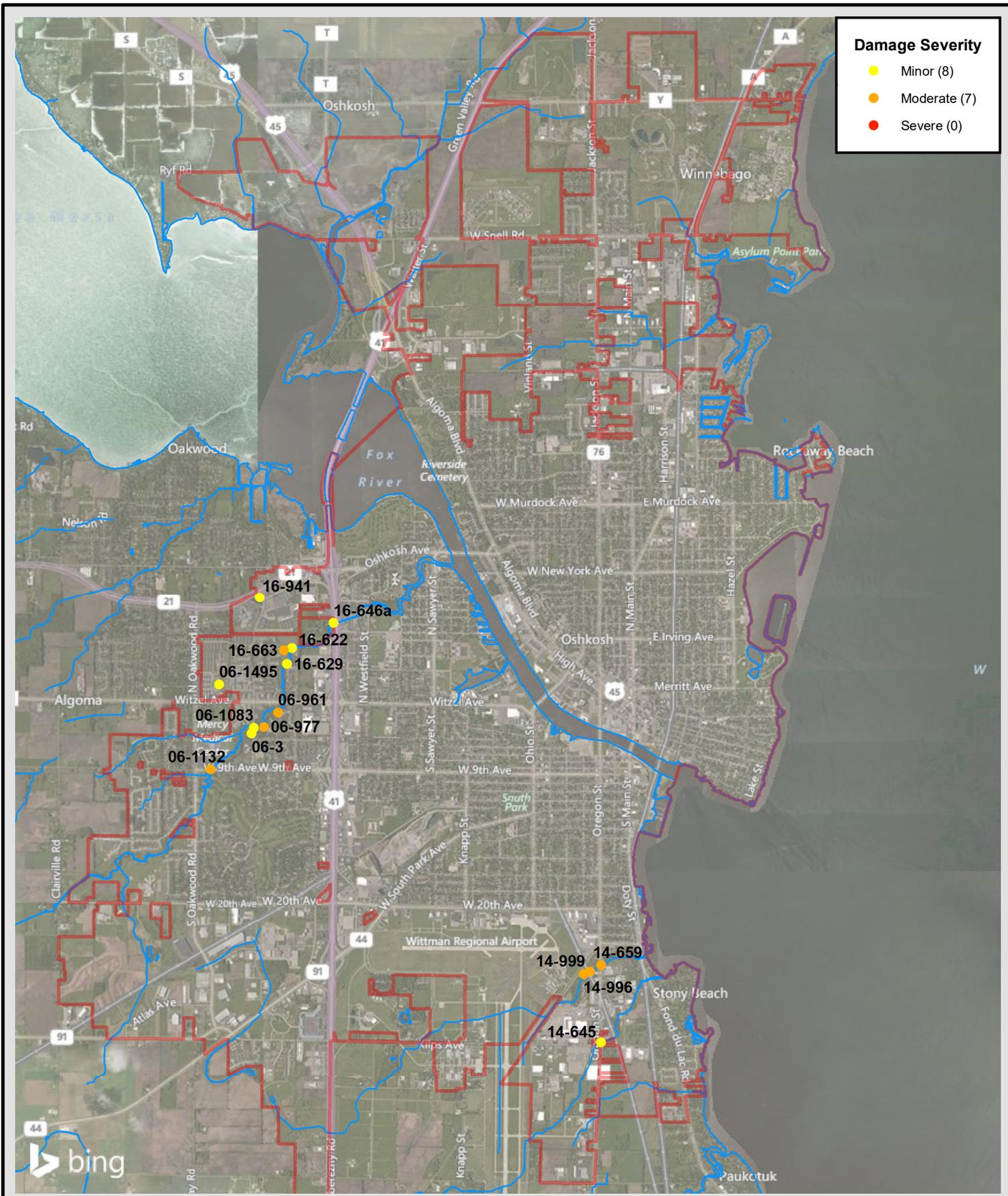
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/23/2018

SCALE:
 1" = 5,047'

PROJECT NO.
N2029C17

FIGURE NO.
C-1



Damage Severity

- Minor (8)
- Moderate (7)
- Severe (0)

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**2017 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH DAMAGE**

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

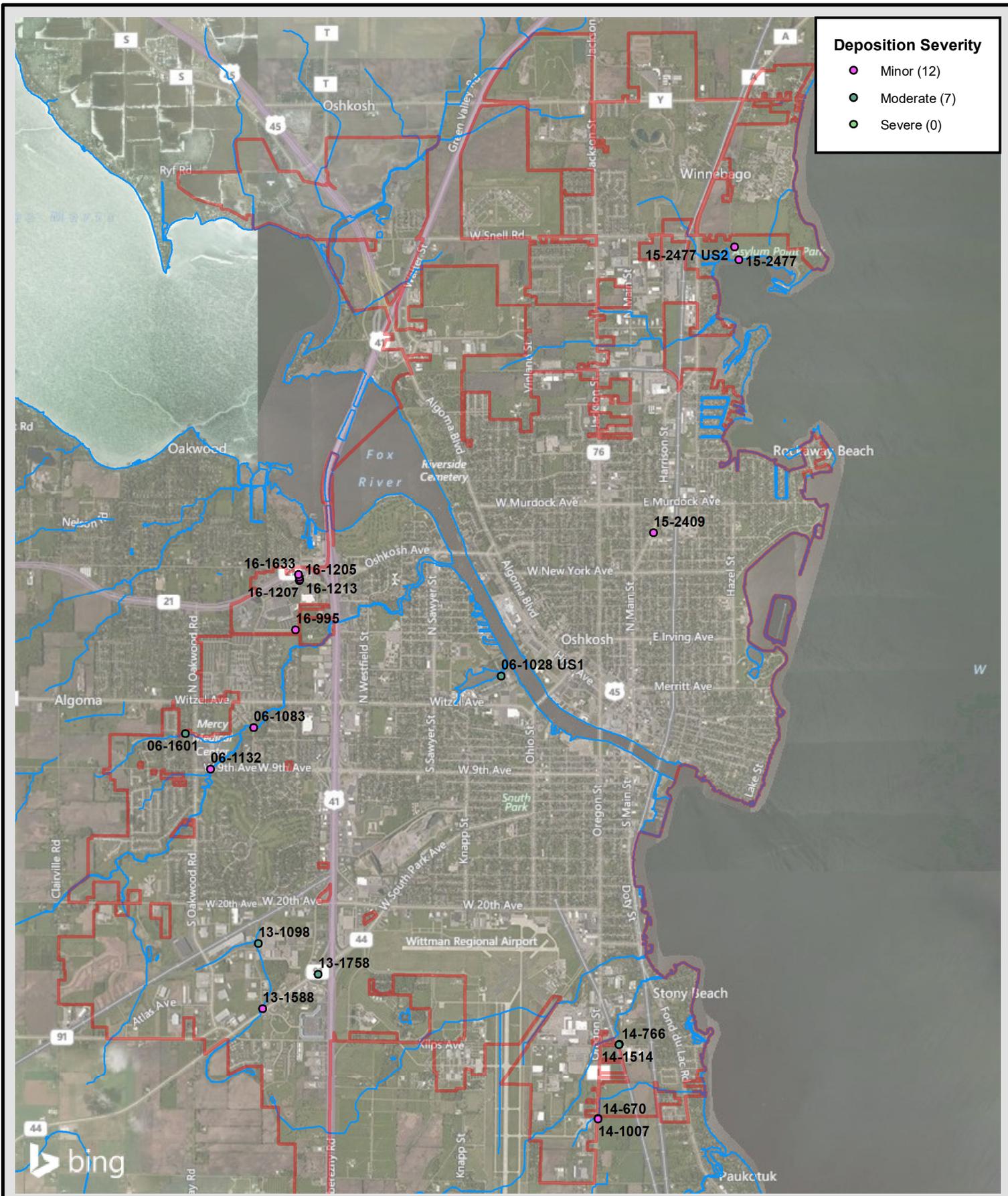
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

SCALE:
1" = 7,000'

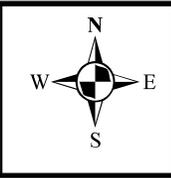
PROJECT NO.
N2029C17

FIGURE NO.
C-2



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2017 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH DEPOSITION

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

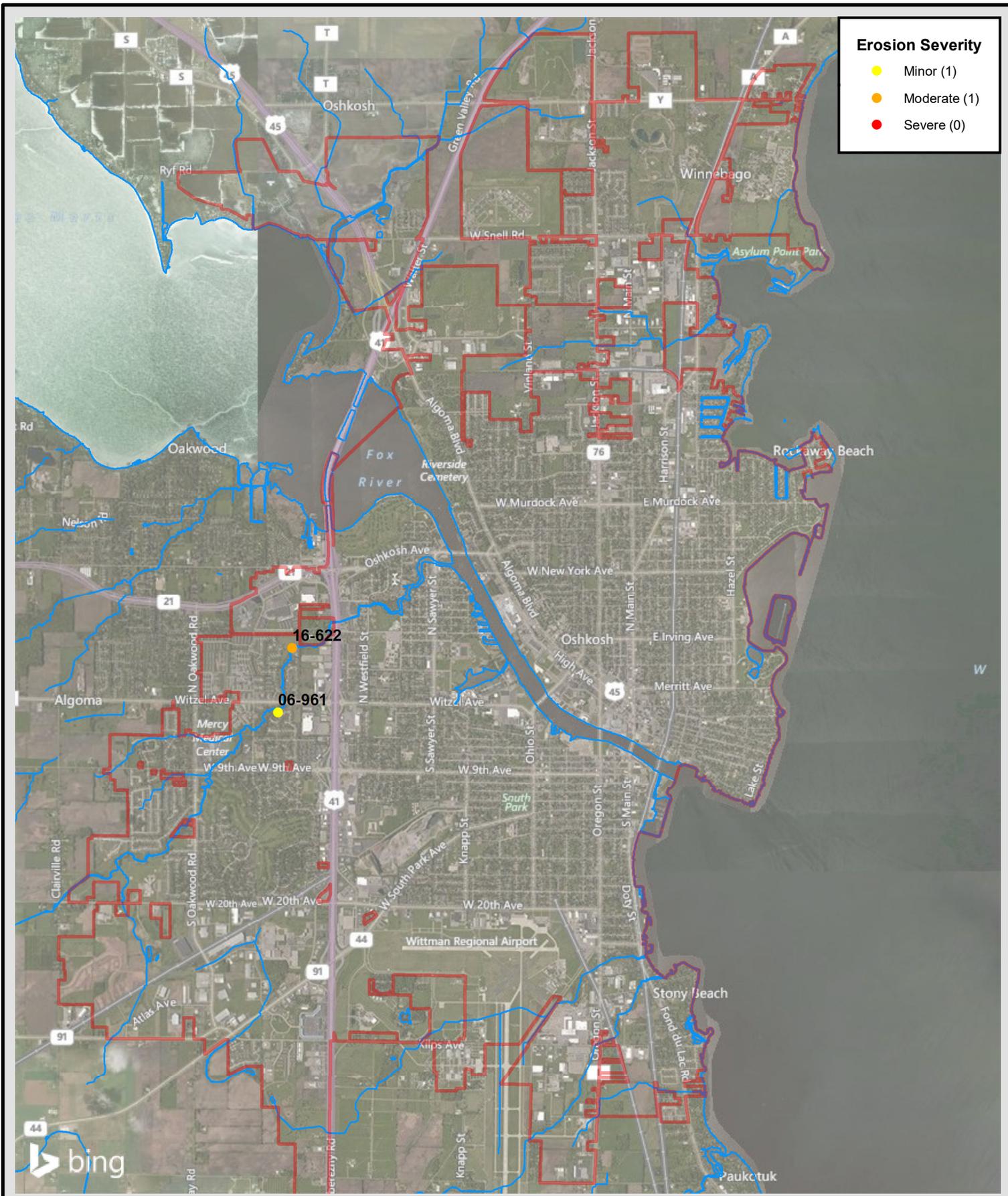
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

SCALE:
1" = 7,000'

PROJECT NO.
N2029C17

FIGURE NO.
C-3



Erosion Severity

- Minor (1)
- Moderate (1)
- Severe (0)

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**2017 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: 1/23/2018

SCALE:
1" = 7,000'

PROJECT NO.
N2029C17

FIGURE NO.
C-4



Graffiti Severity

- Minor (1)
- Moderate (0)
- Severe (0)

12-569

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2017 IDDE ONGOING SCREENING PROGRAM
OUTFALLS WITH GRAFFITI

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

SCALE:
1" = 7,000'

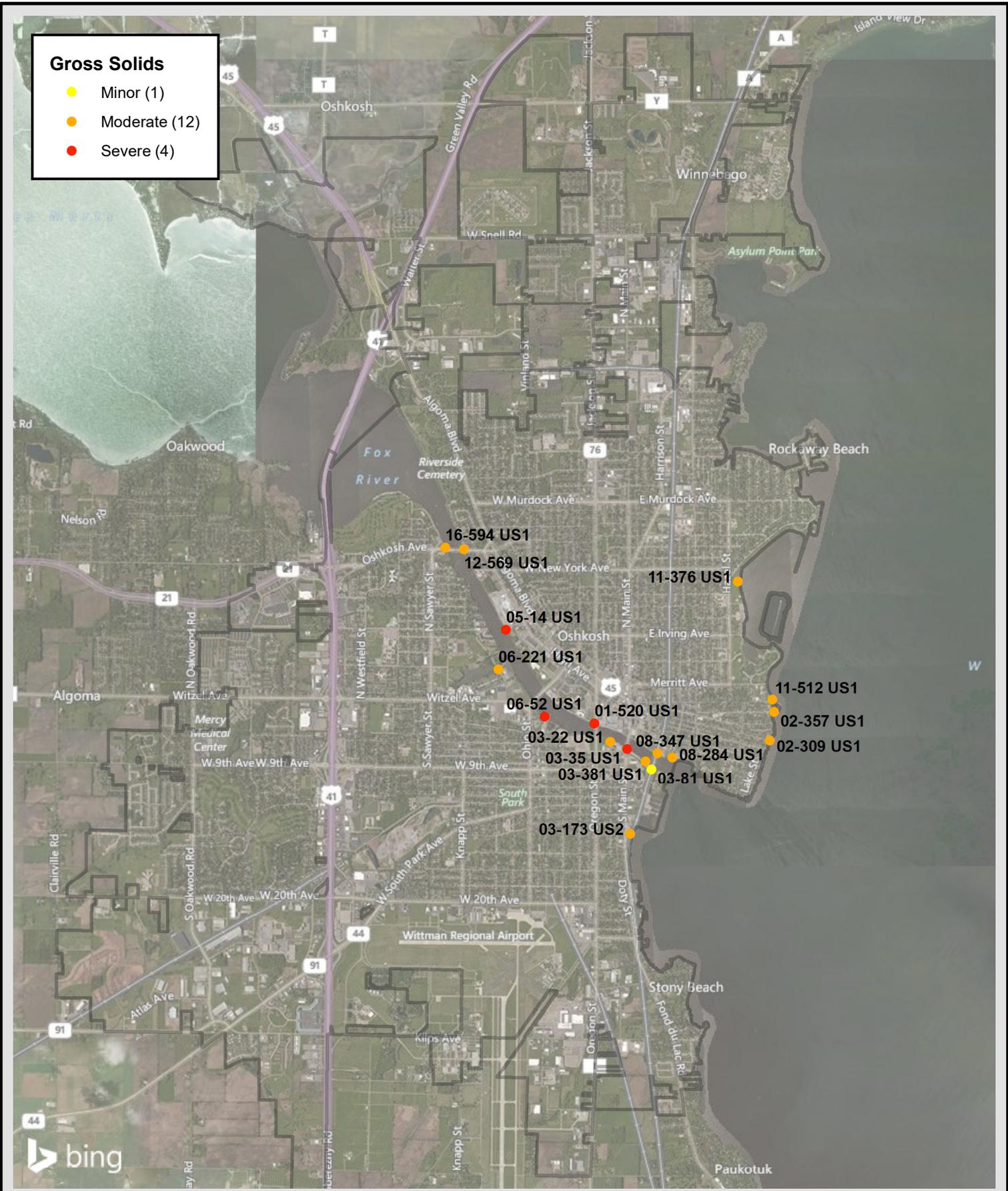
PROJECT NO.
N2029C17

FIGURE NO.
C-5

Appendix D

Additional Information for Outfalls with Potential Illicit Discharges

Upstream Manholes with Significant Floatable Debris
Area Maps for Outfalls with Potential Illicit Discharges



Gross Solids

- Minor (1)
- Moderate (12)
- Severe (4)

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2017 IDDE ONGOING SCREENING PROGRAM
MANHOLES WITH FLOATABLE
GROSS SOLIDS

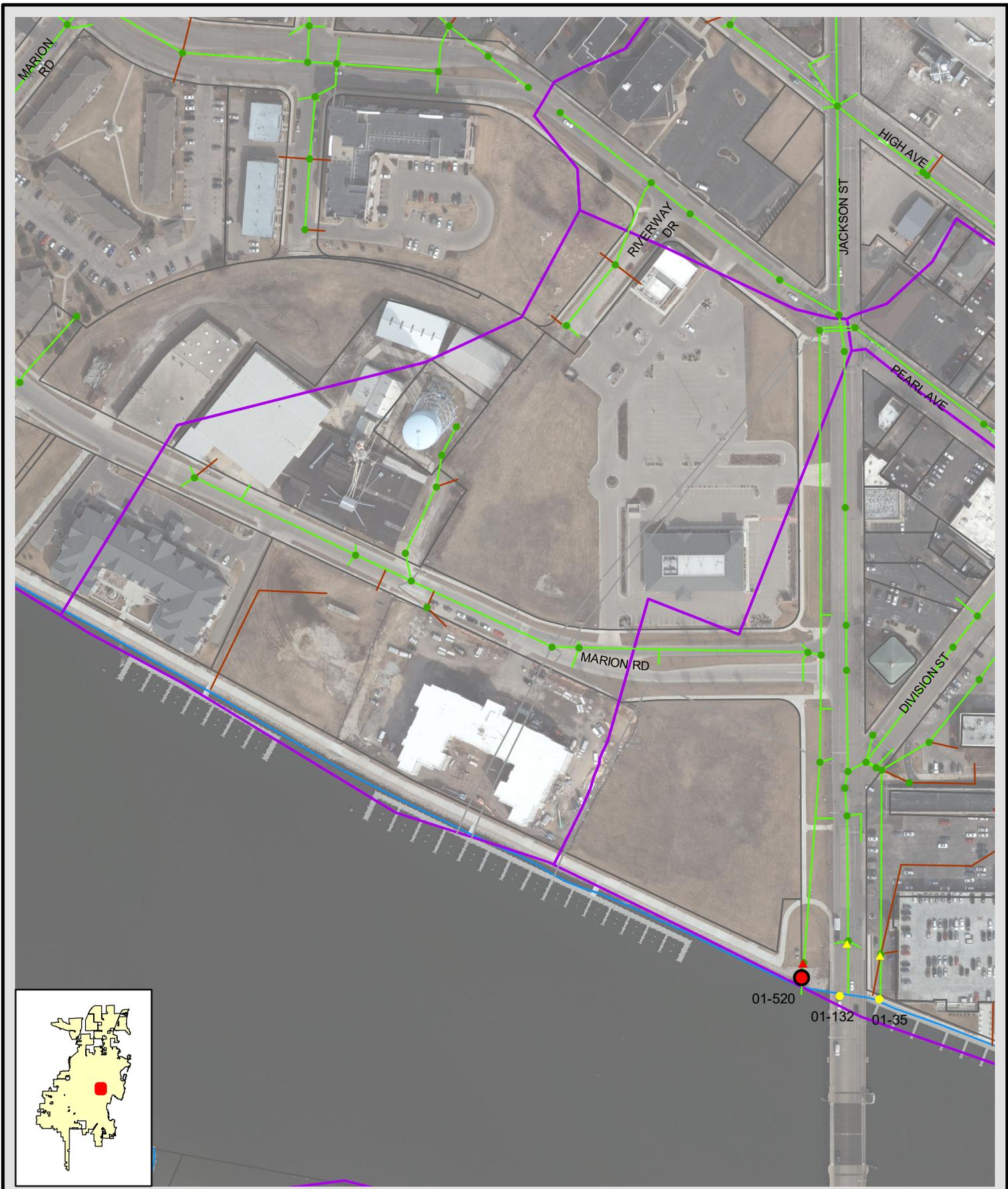
CITY OF OSHKOSH
 WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 11/29/2016

SCALE:
 1" = 5,047'

PROJECT NO.
N2029C17

FIGURE NO.
D-1



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2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 01-520

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

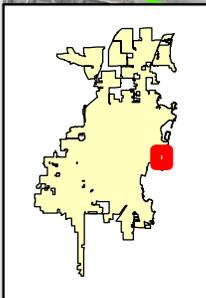
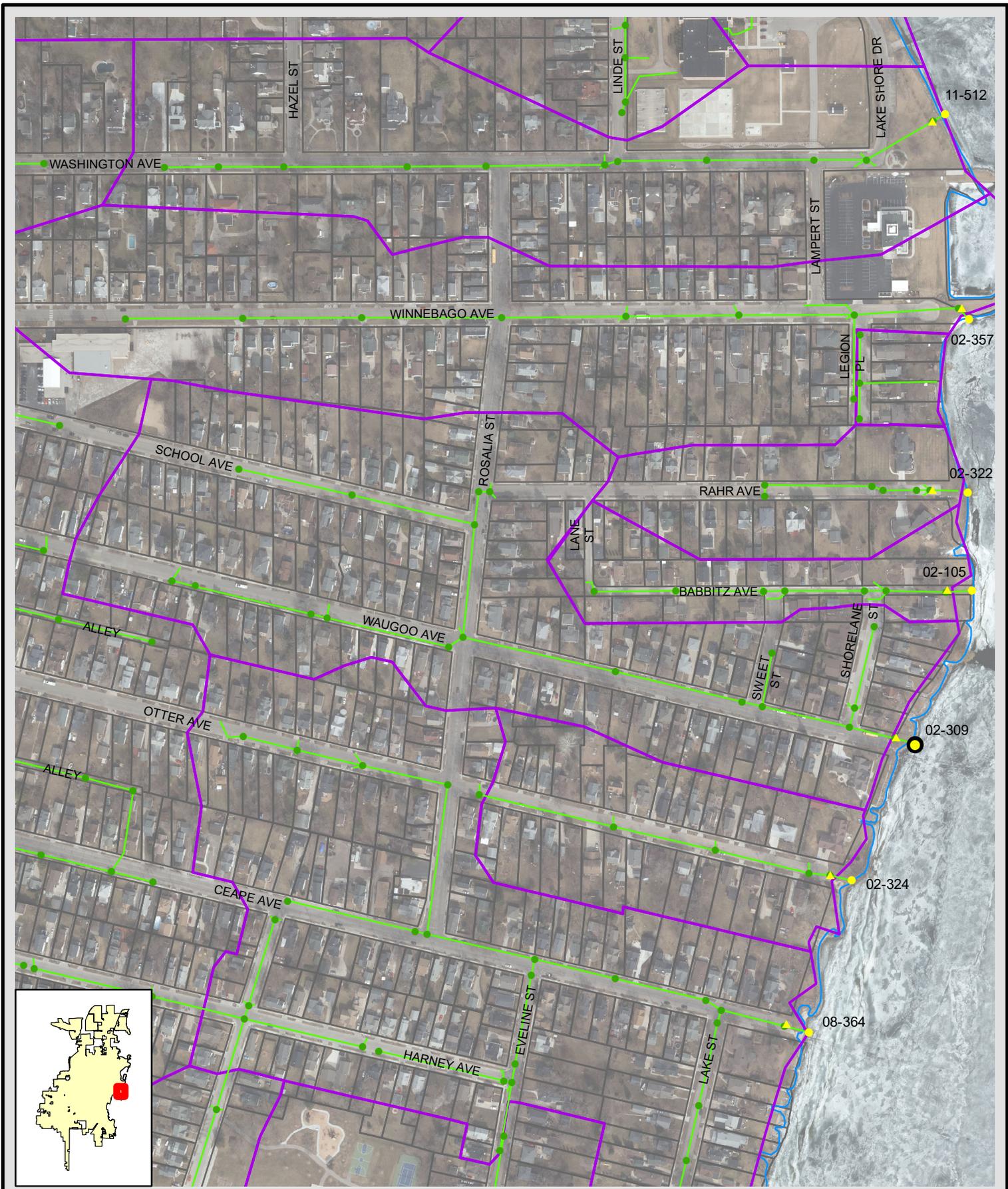
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

PROJECT NO.
N2029C17

FIGURE NO.
D-1a



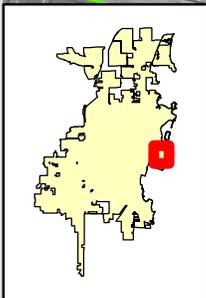
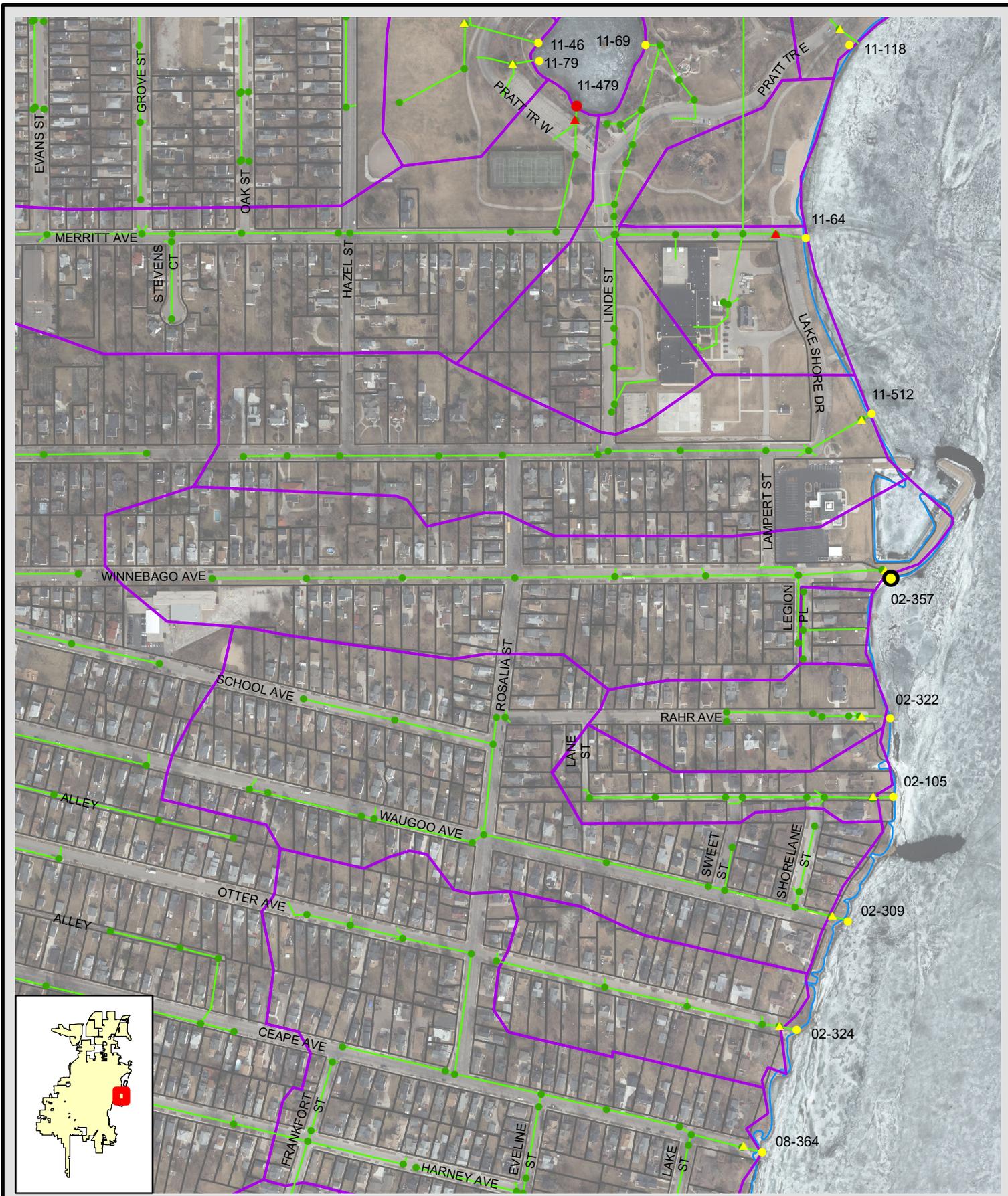
OMNI ASSOCIATES
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2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 02-309
 CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 1/24/2018

SCALE:
 1" = 333'
 PROJECT NO.
N2029C17
 FIGURE NO.
D-1b



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2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 02-357

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

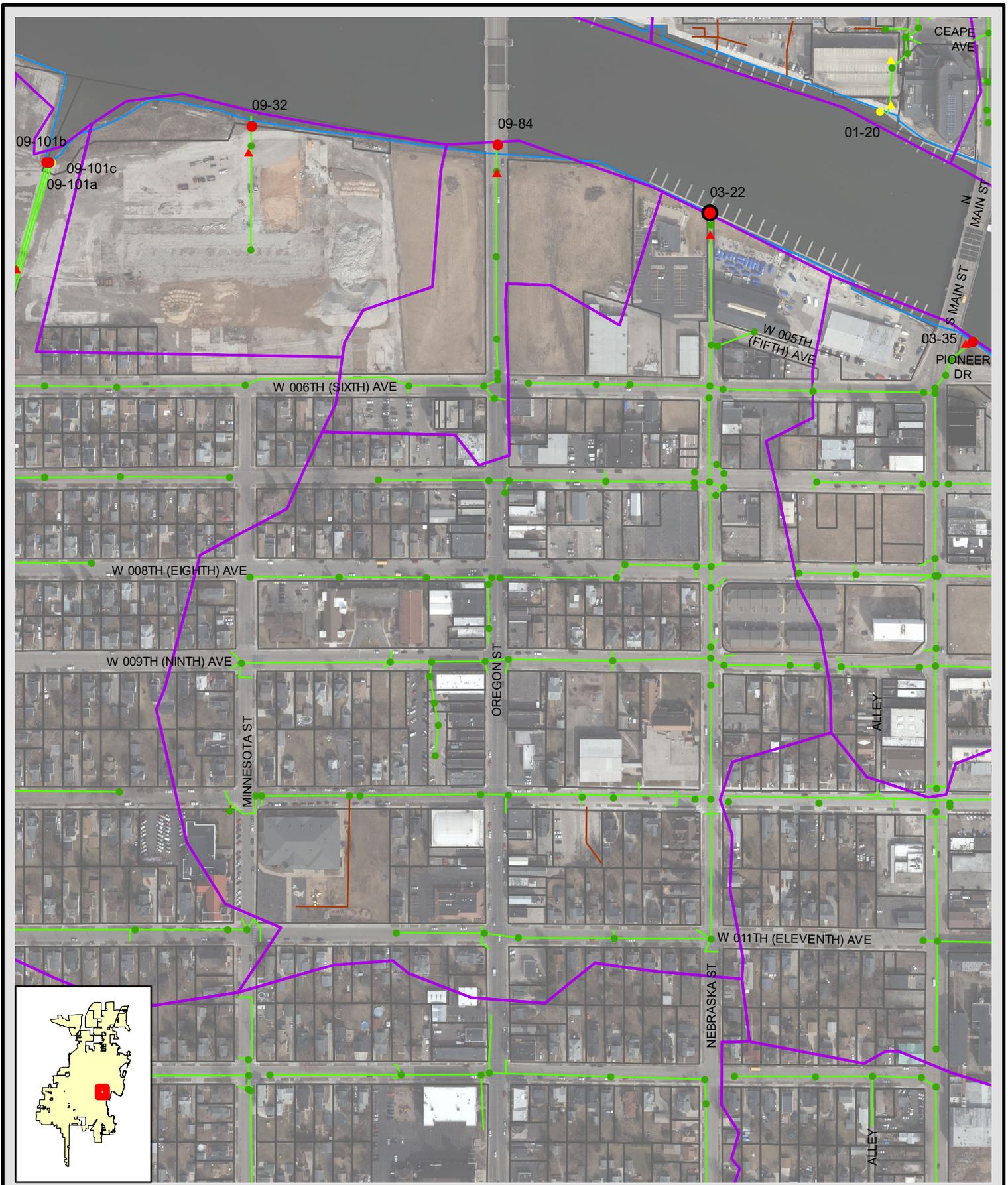
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 417'

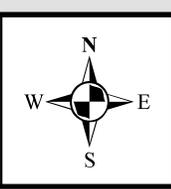
PROJECT NO.
N2029C17

FIGURE NO.
D-1c



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2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-22

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

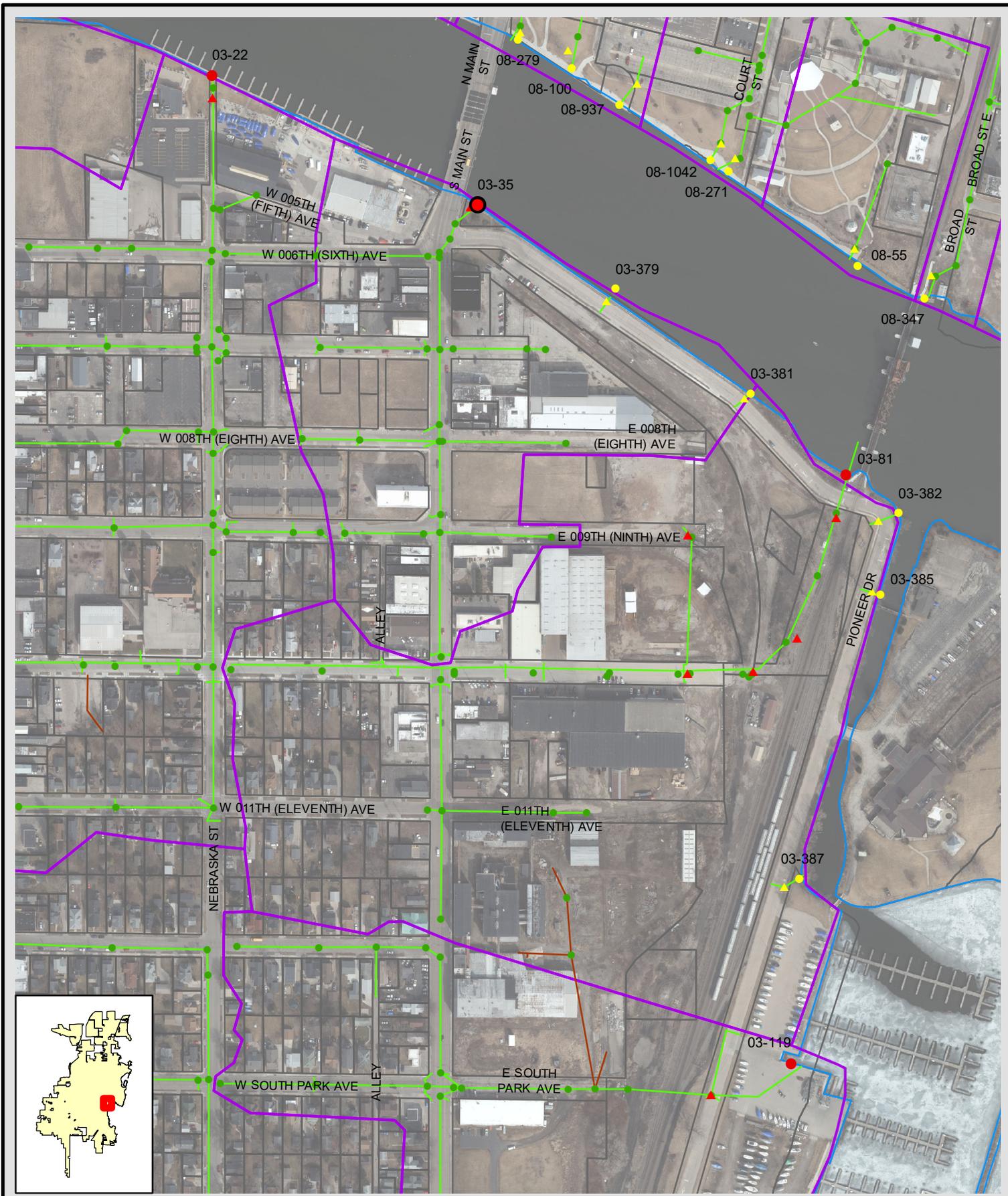
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1d



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APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-35

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

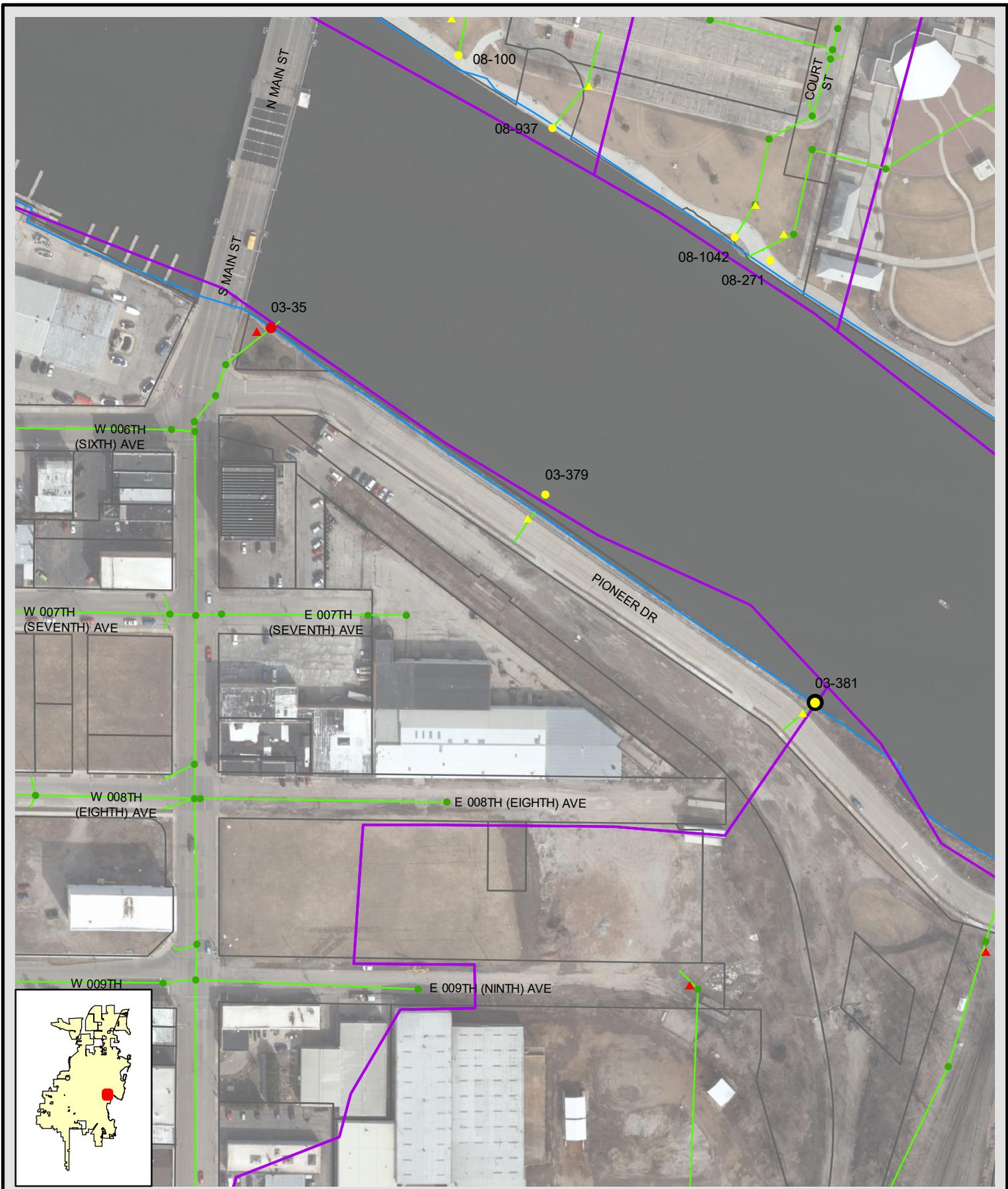
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1e



OMNI
ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 735-6900
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2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-381

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

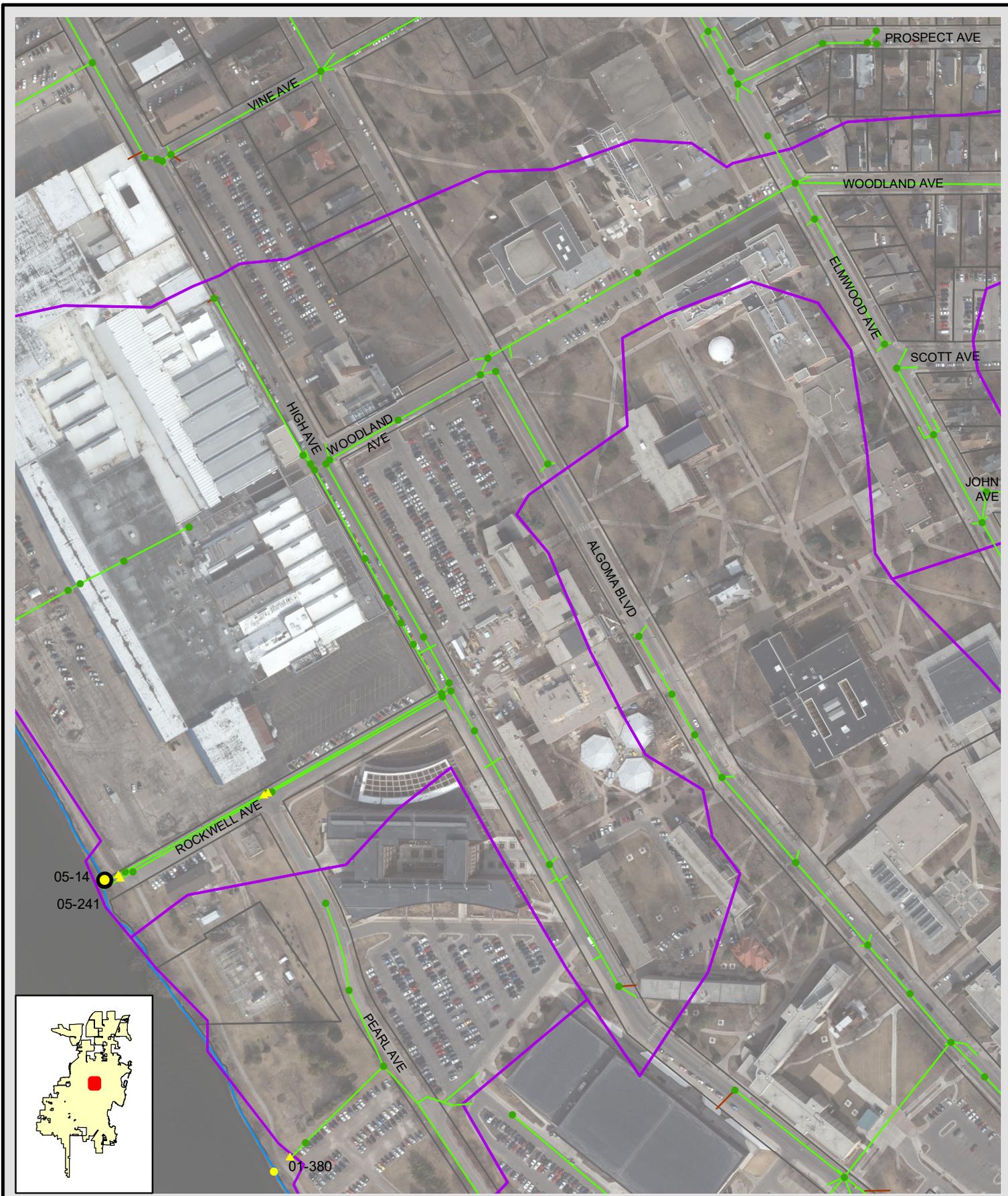
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 166'

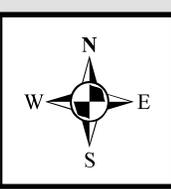
PROJECT NO.
N2029C17

FIGURE NO.
D-1f



OMNI
ASSOCIATES

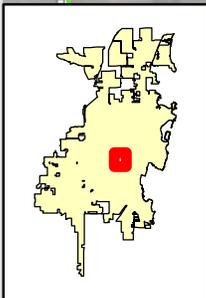
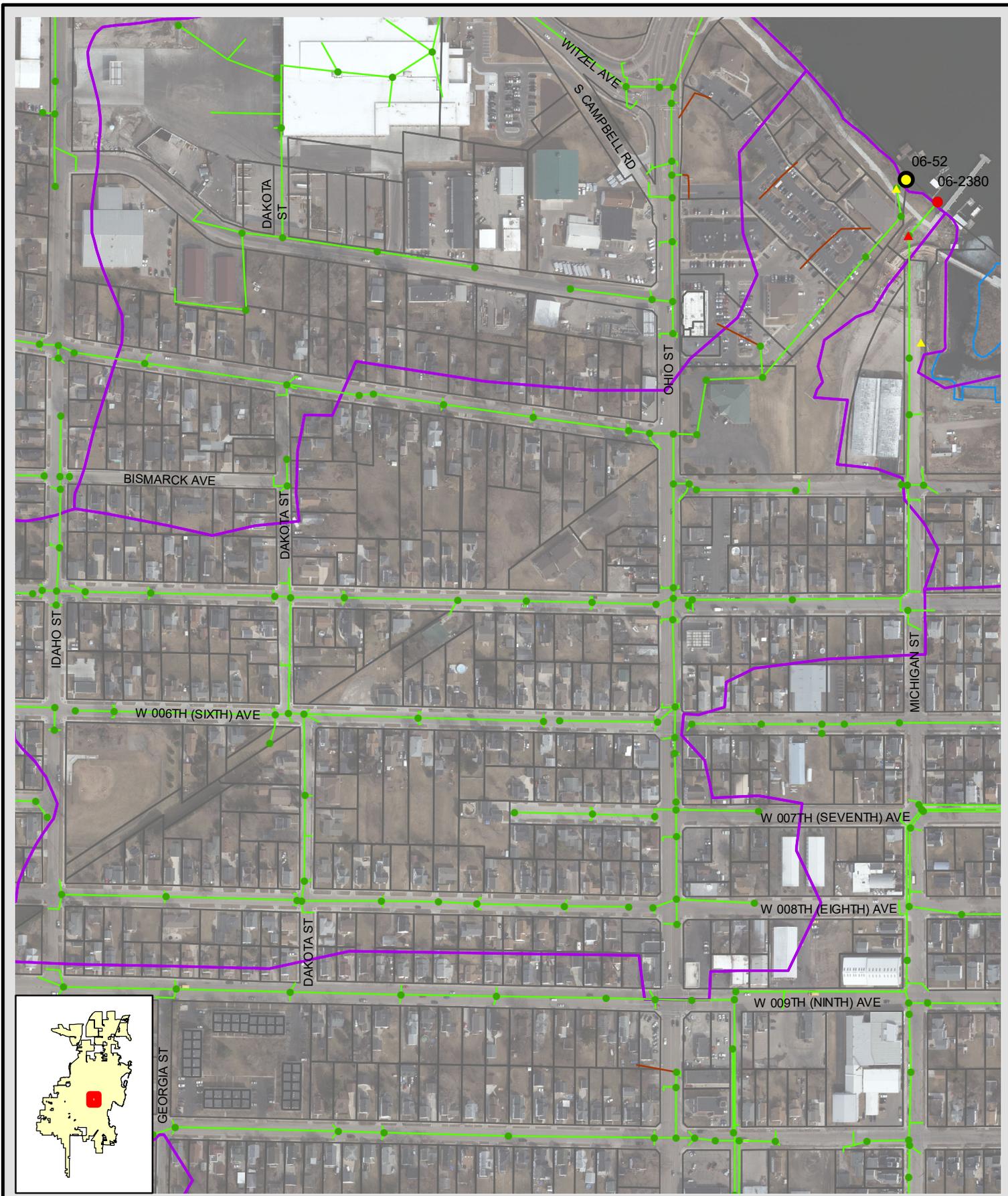
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 05-14

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW	SCALE: 1" = 250'
Project Engineer: JCW	PROJECT NO. N2029C17
Drawn By: JCW	FIGURE NO. D-1g
Checked By: BDW	
Date: 1/24/2018	



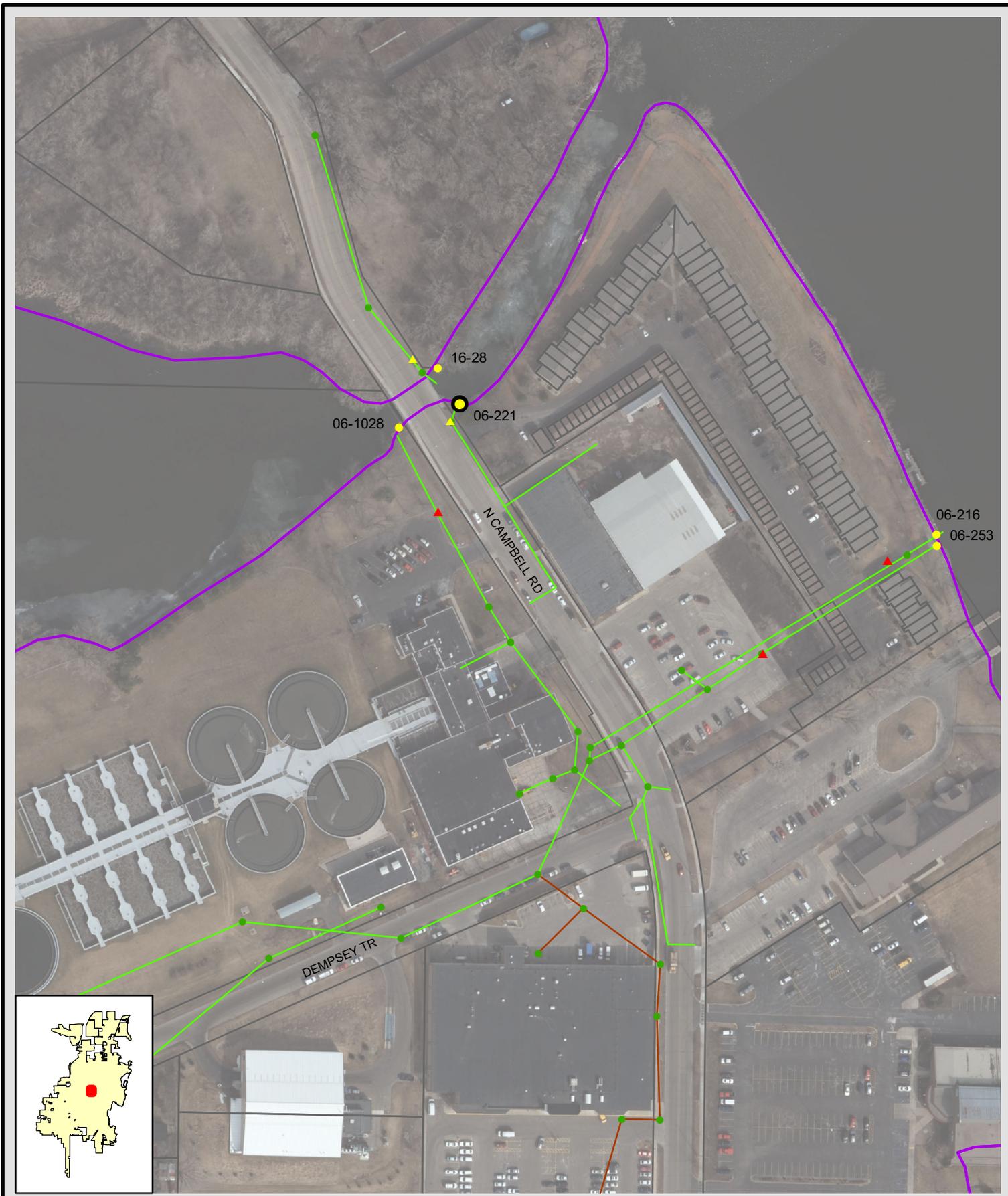
OMNI ASSOCIATES
 ONE SYSTEMS DRIVE PHONE (920) 735-6900
 APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 06-52
 CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 1/24/2018

SCALE:
 1" = 333'
 PROJECT NO.
N2029C17
 FIGURE NO.
D-1h



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 06-221

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 167'

PROJECT NO.
N2029C17

FIGURE NO.
D-1i



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 08-284

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

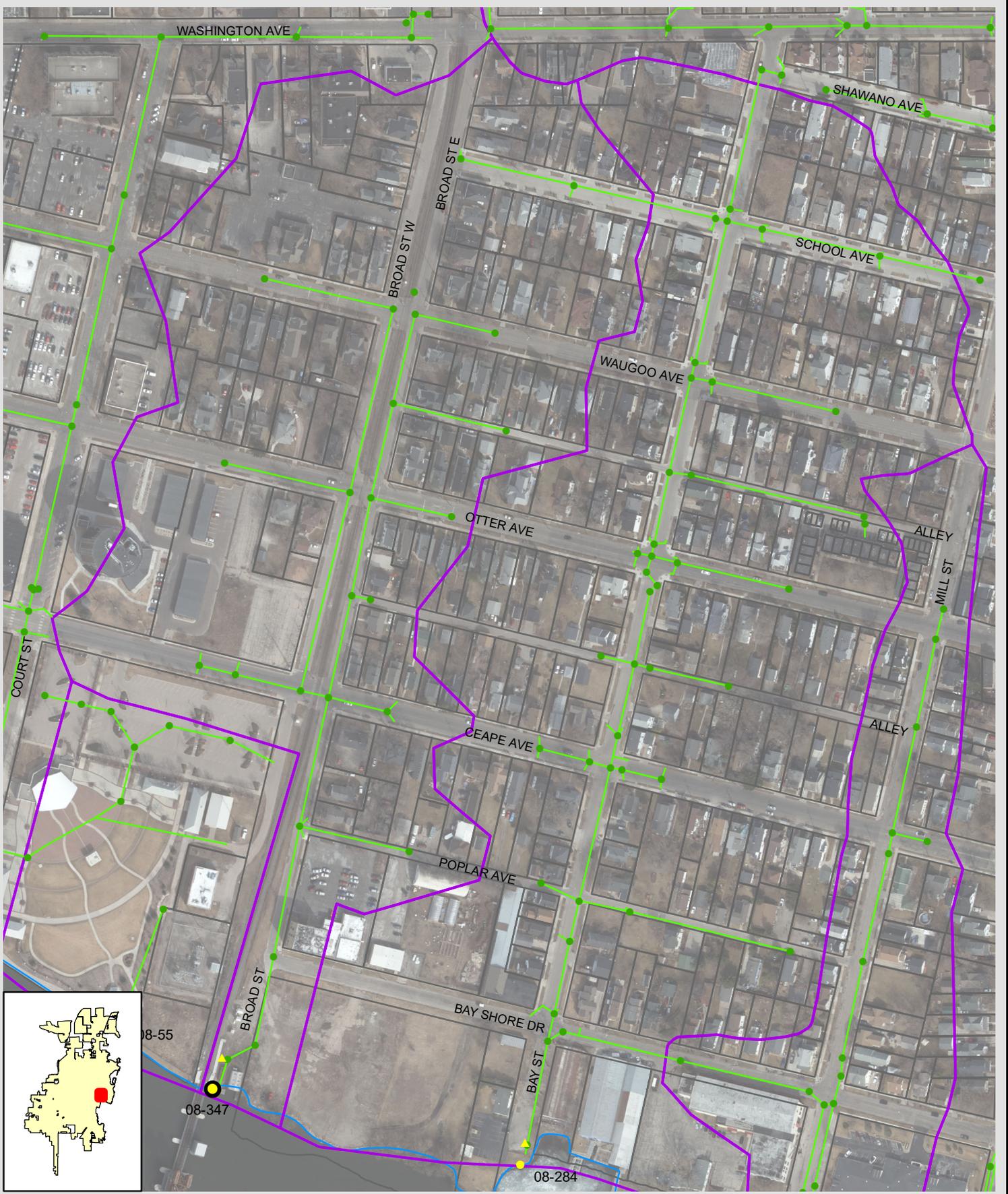
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1j



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 08-347

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

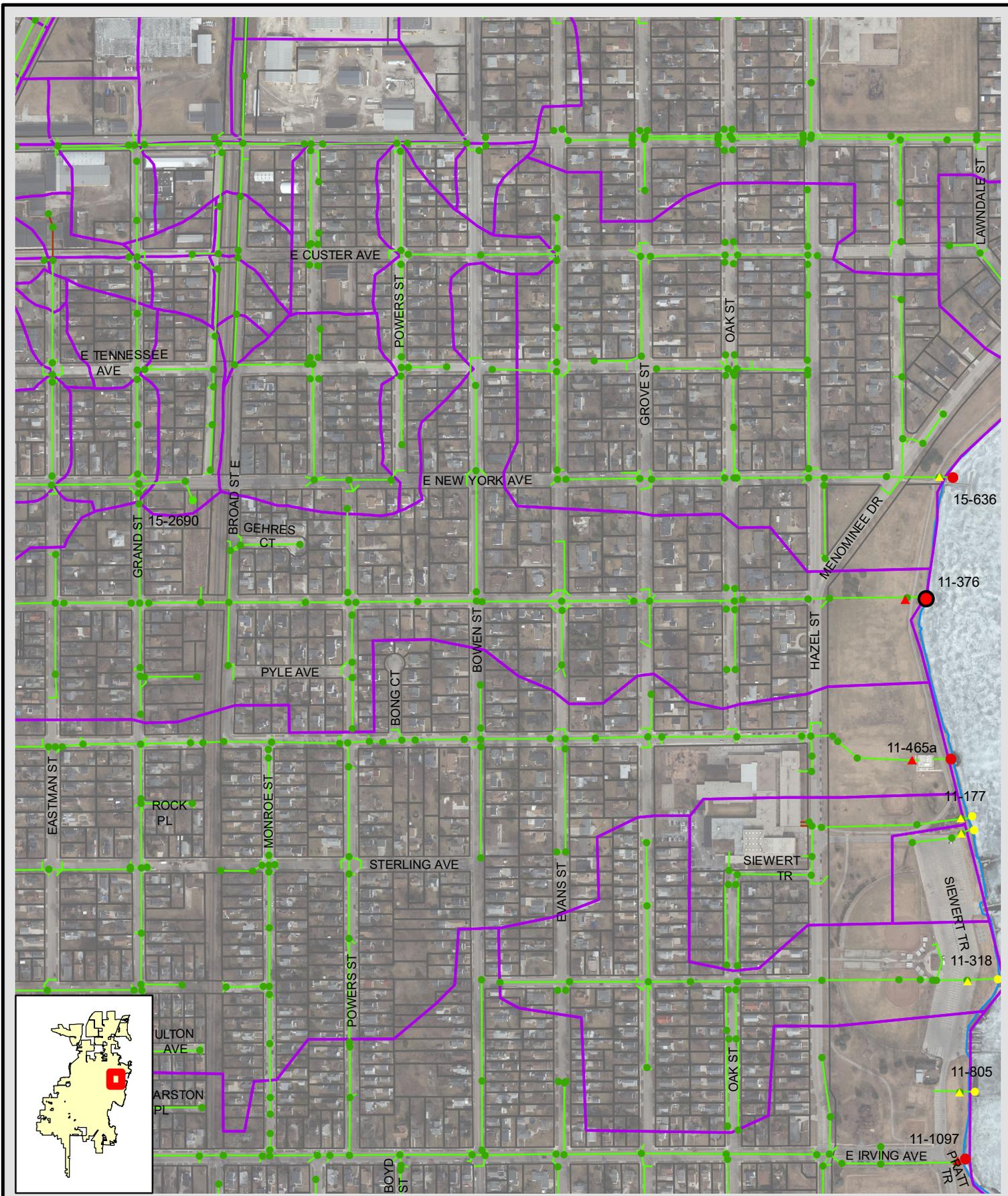
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-1k



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 11-376

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

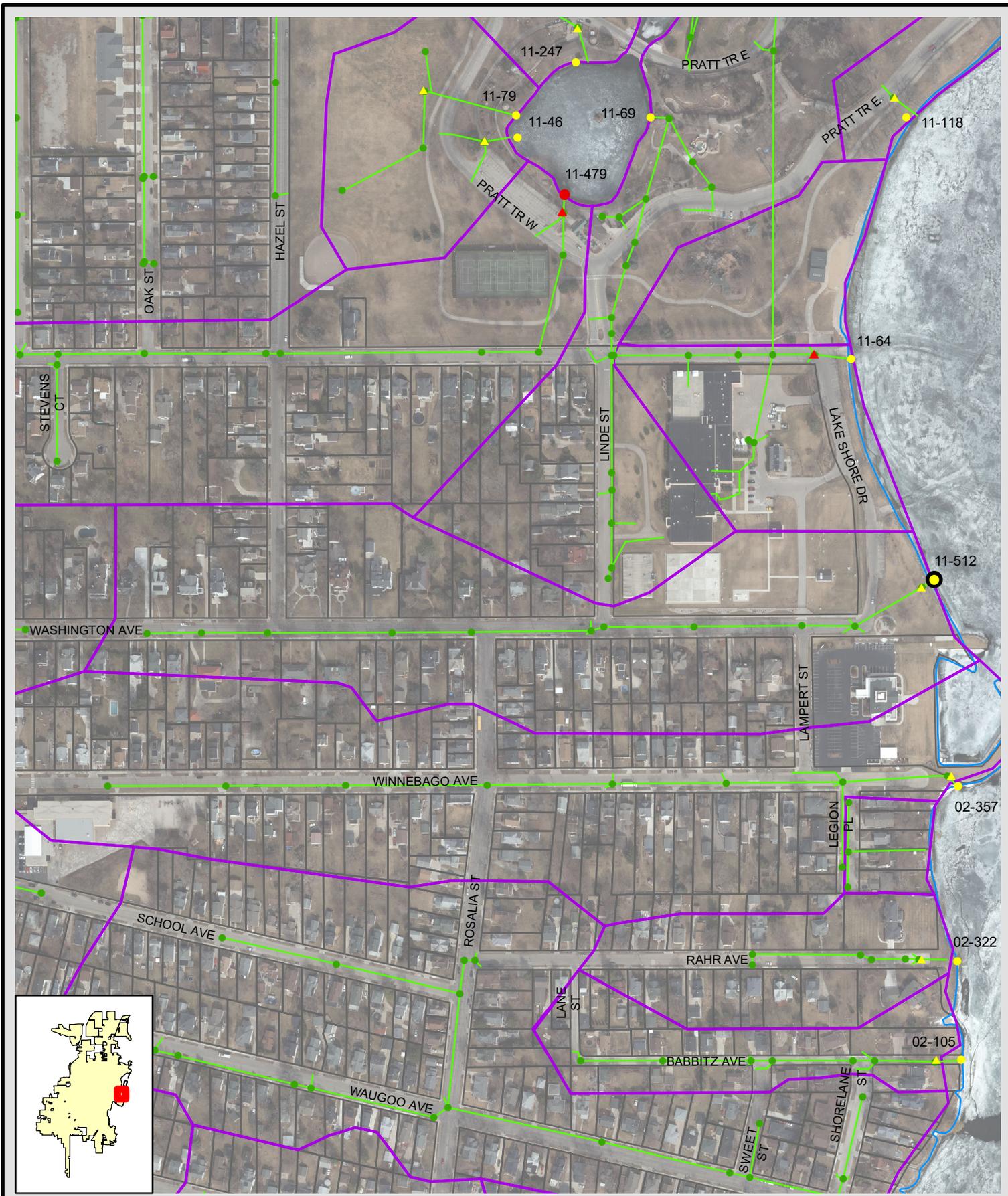
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 500'

PROJECT NO.
N2029C17

FIGURE NO.
D-11



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 11-512

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
 1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1m



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 12-569

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

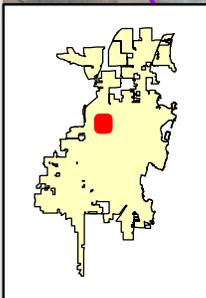
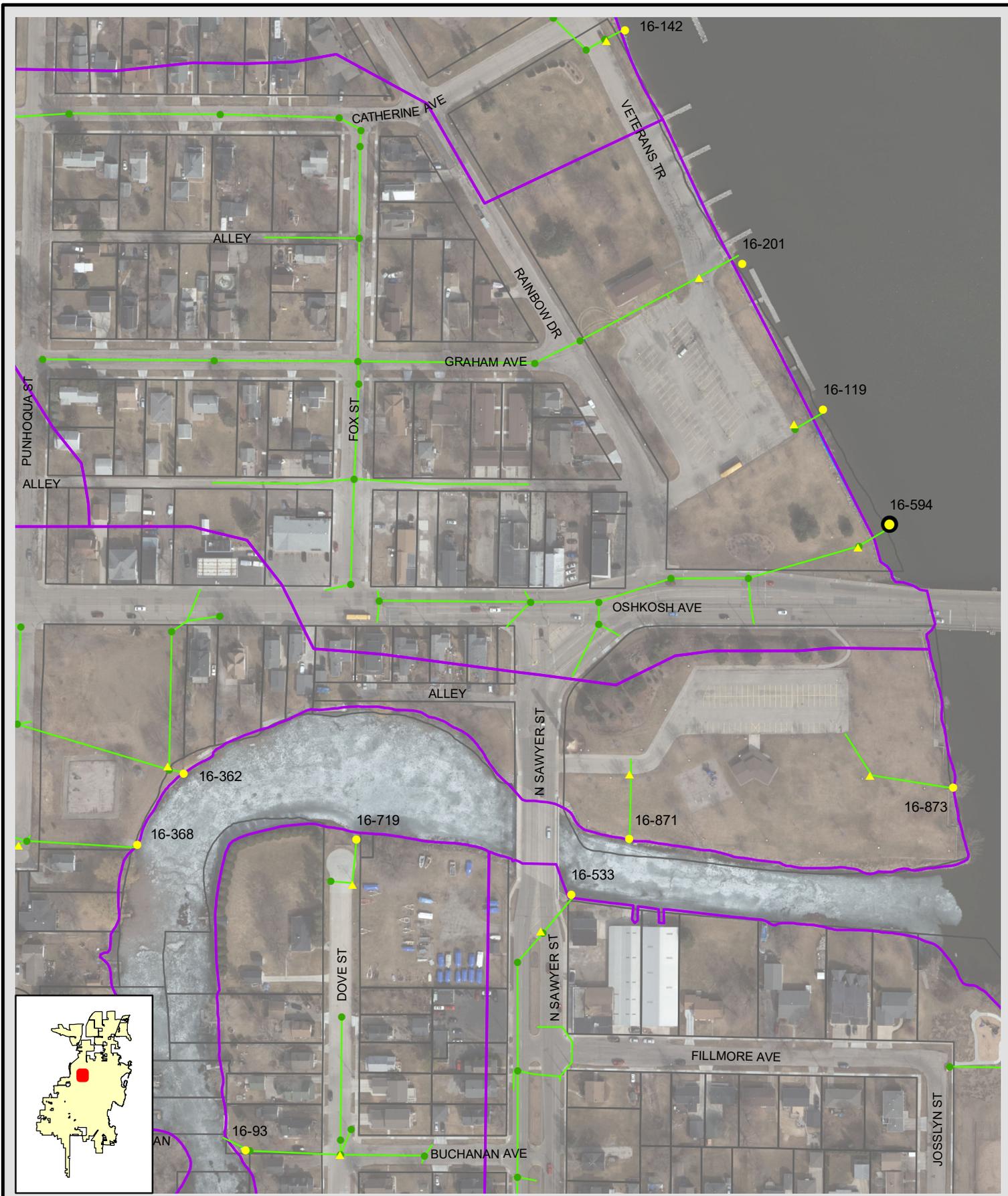
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

PROJECT NO.
N2029C17

FIGURE NO.
D-1n



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-594

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

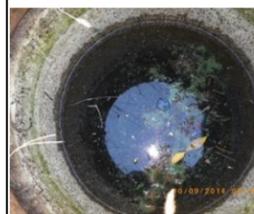
SCALE:
1" = 208'

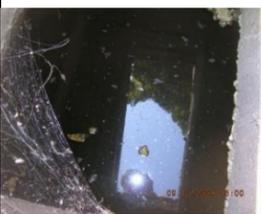
PROJECT NO.
N2029C17

FIGURE NO.
D-1o

Table 1 - History of manholes with significant gross solids

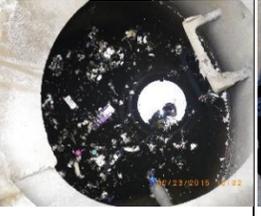
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 IDDE Potential
01-132 US1 (01-132)											
01-520 US1 (01-520)											Potential
01-642 US1 (01-642)											Unlikely
02-309 US1 (02-309)											Potential
02-357 US1 (02-357)											Potential
03-22 US1 (03-22)											Potential

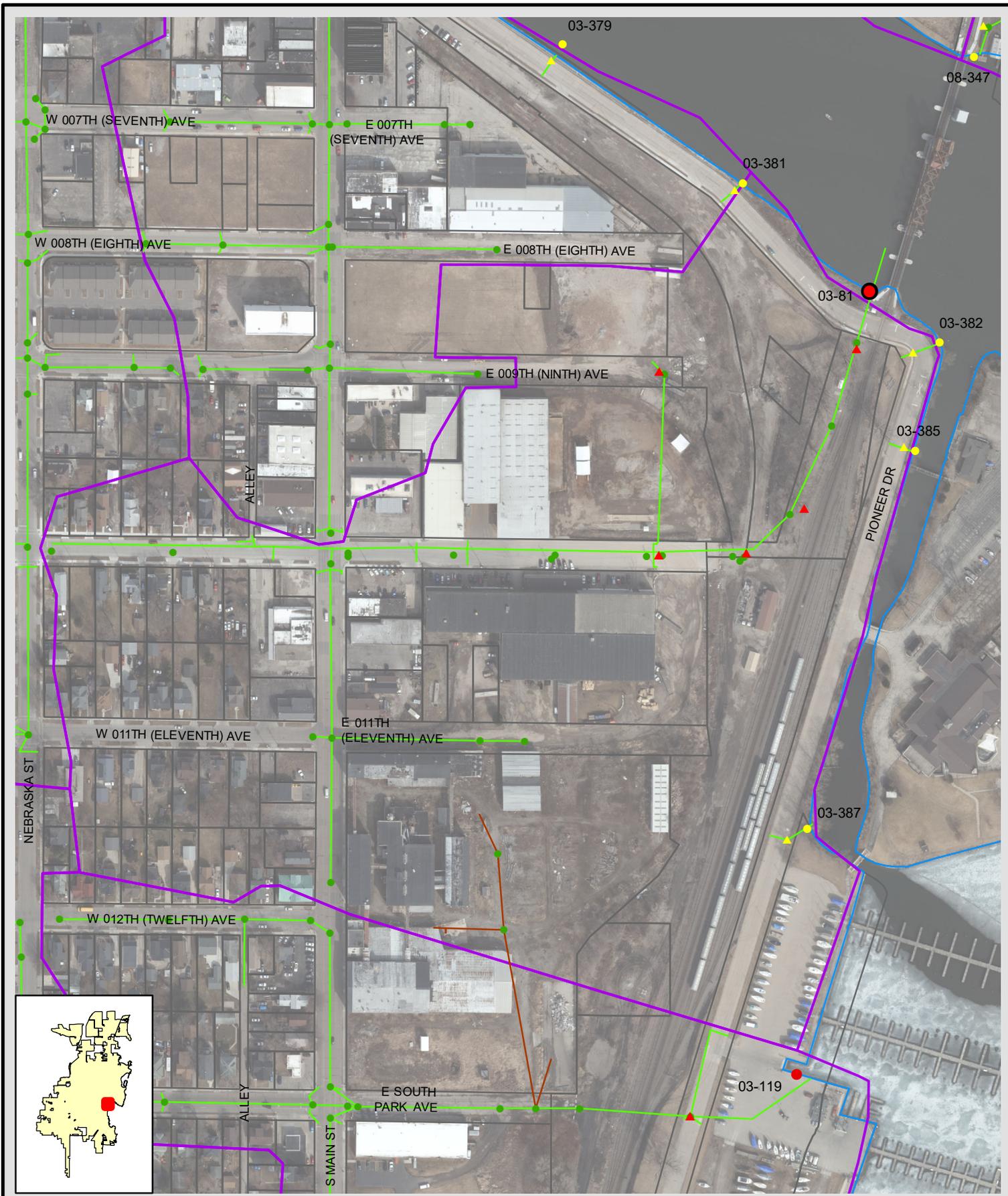
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 IDDE Potential
03-35 US1 (03-35)											Potential
03-81 US1 (03-81)											Potential (ammonia, detergent)
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 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 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)											Unlikely
06-1694 US1 (06-1694)											

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 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)											Unlikely
16-28 US1 (16-28)											Unlikely

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 IDDE Potential
16-71 US1 (16-71)											Unlikely
16-142 US1											Unlikely
16-201 US1											
16-396 US1 (16-396)							(Behind locked fence – manhole not screened)				
16-436 US1 (16-436)							(Behind locked fence – manhole not screened)				
16-463 US1											

Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (September 2015)	2016 Ongoing Screening (October 2016)	2017 Ongoing Screening (October 2017)	2017 IDDE Potential
16-533 US1 (16-533)											Unlikely
16-551 US1 (16-551)											
16-594 US1 (16-594)											Potential



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ASSOCIATES

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 APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-81

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

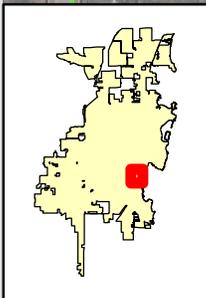
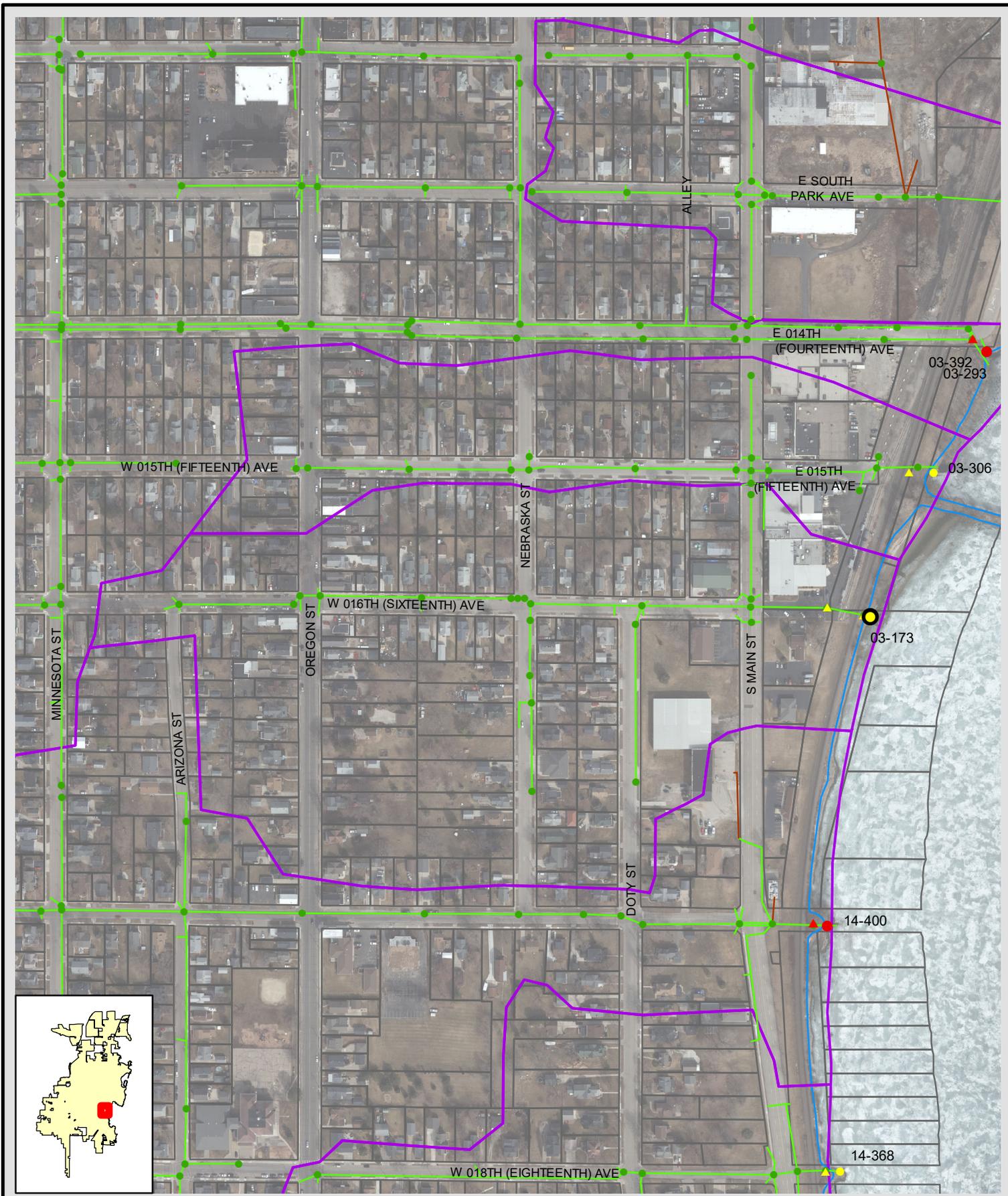
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-2



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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-173

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

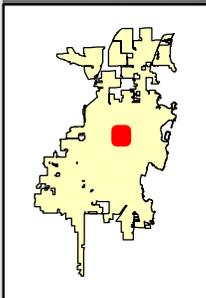
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-3



OMNI
ASSOCIATES

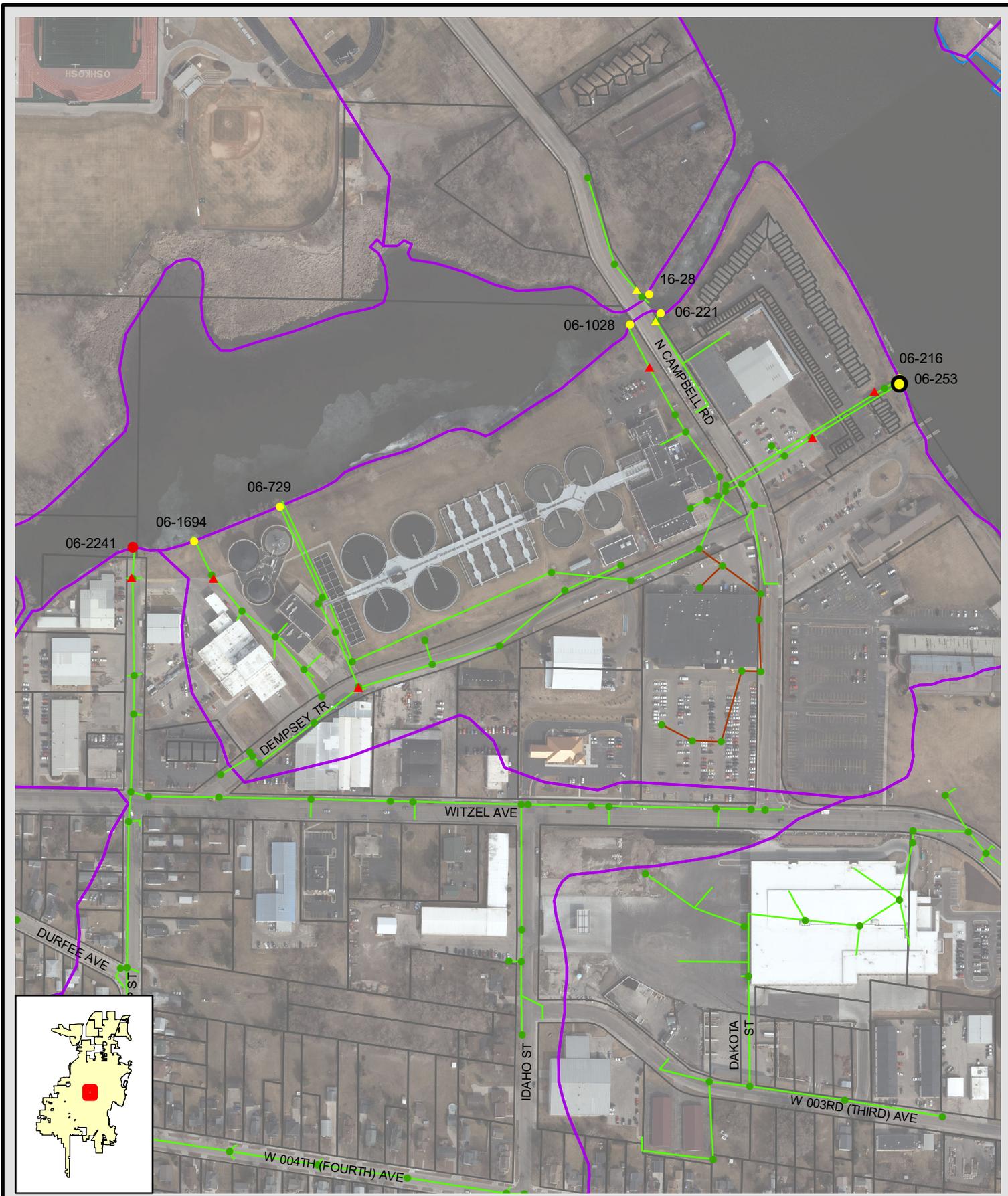
ONE SYSTEMS DRIVE PHONE (920) 735-6900
 APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 05-241

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW	SCALE: 1" = 250'
Project Engineer: JCW	PROJECT NO. N2029C17
Drawn By: JCW	FIGURE NO. D-4
Checked By: BDW	
Date: 1/24/2018	



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 06-253

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

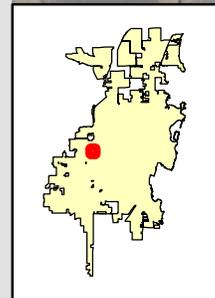
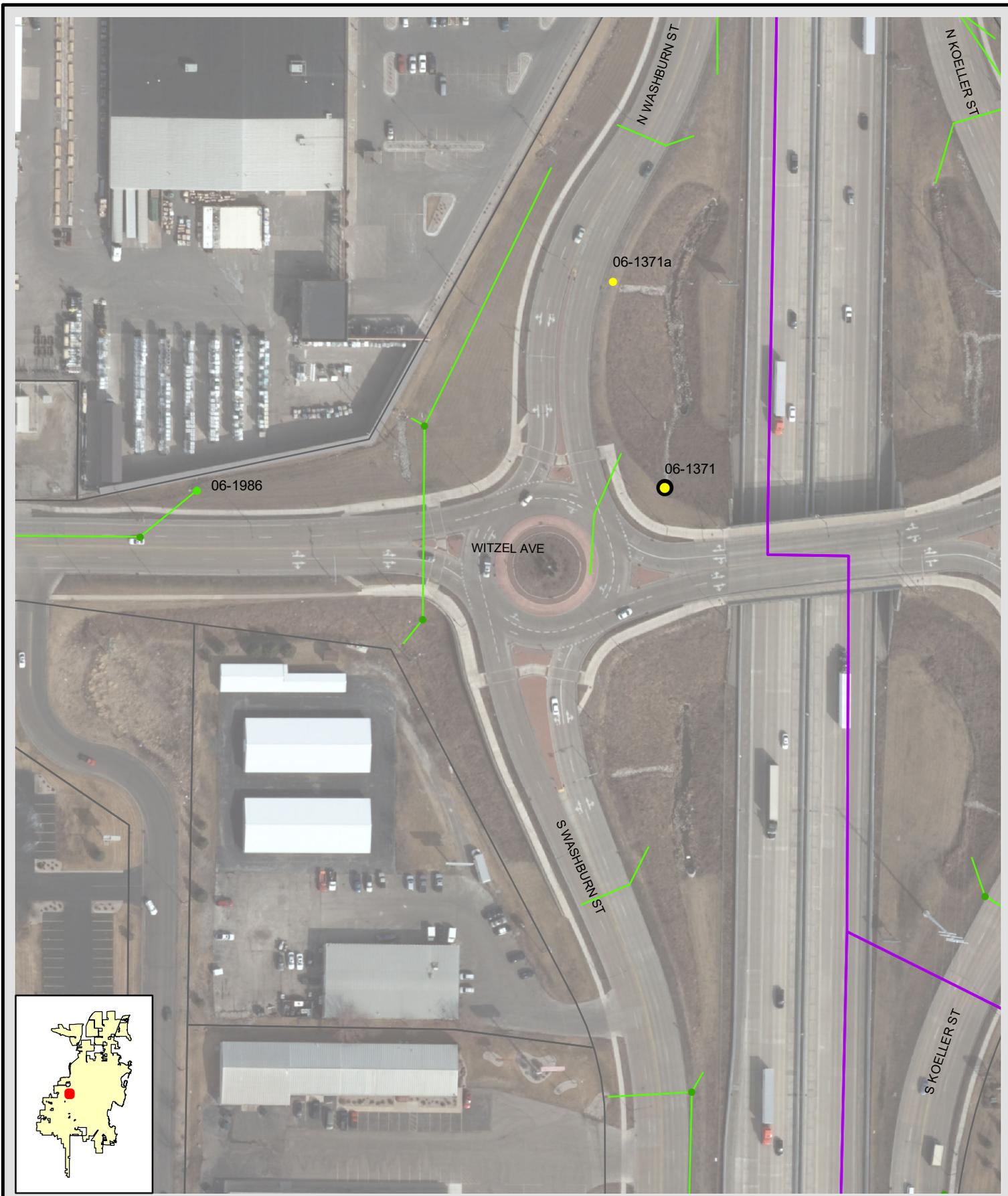
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-5



Omni
ASSOCIATES

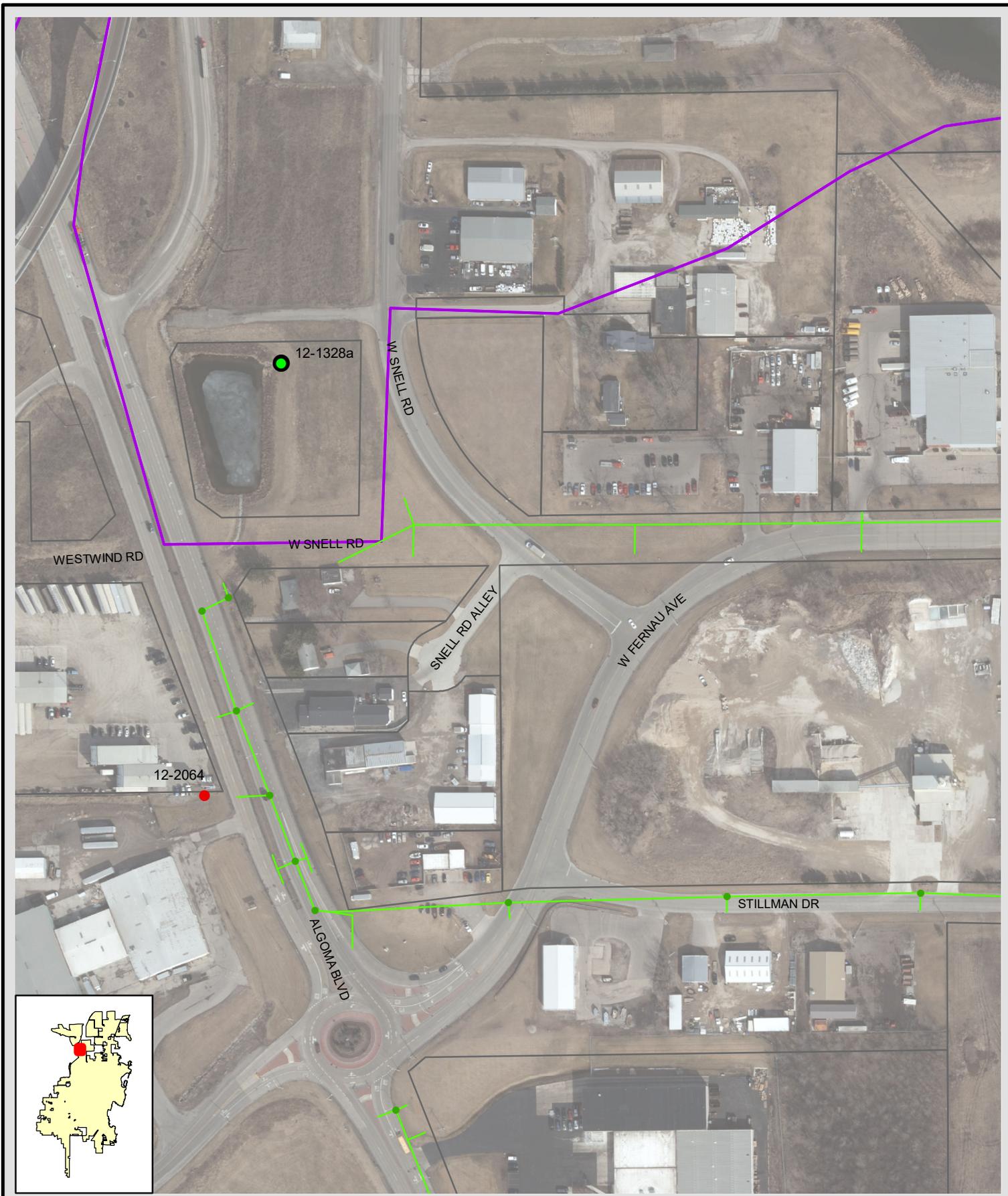
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 06-1371

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW	SCALE: 1" = 124'
Project Engineer: JCW	PROJECT NO. N2029C17
Drawn By: JCW	FIGURE NO. D-6
Checked By: BDW	
Date: 1/24/2018	



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 12-1328a

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

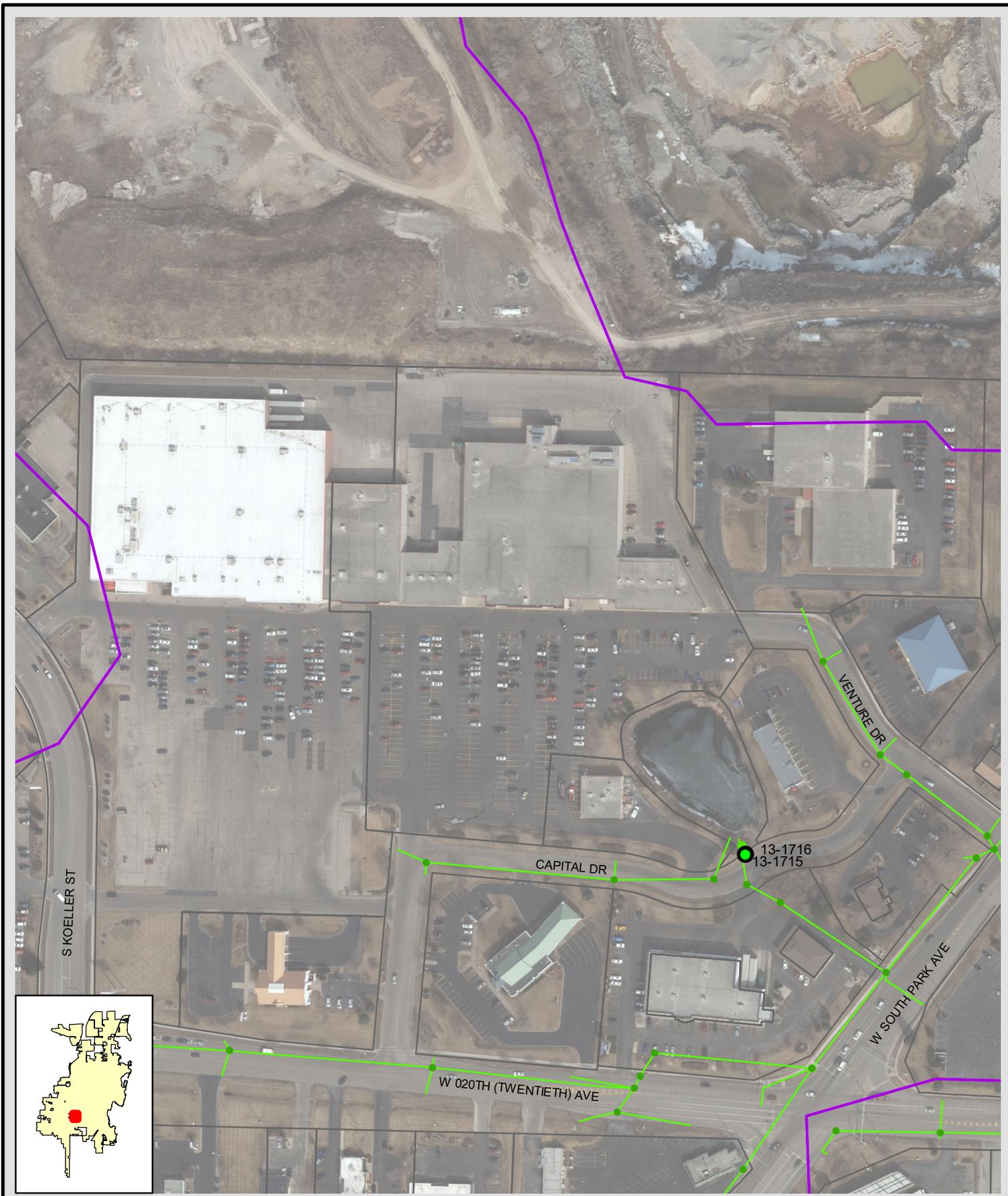
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

PROJECT NO.
N2029C17

FIGURE NO.
D-8



OMNI
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 13-1716

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

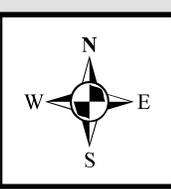
PROJECT NO.
N2029C17

FIGURE NO.
D-9



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-660

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

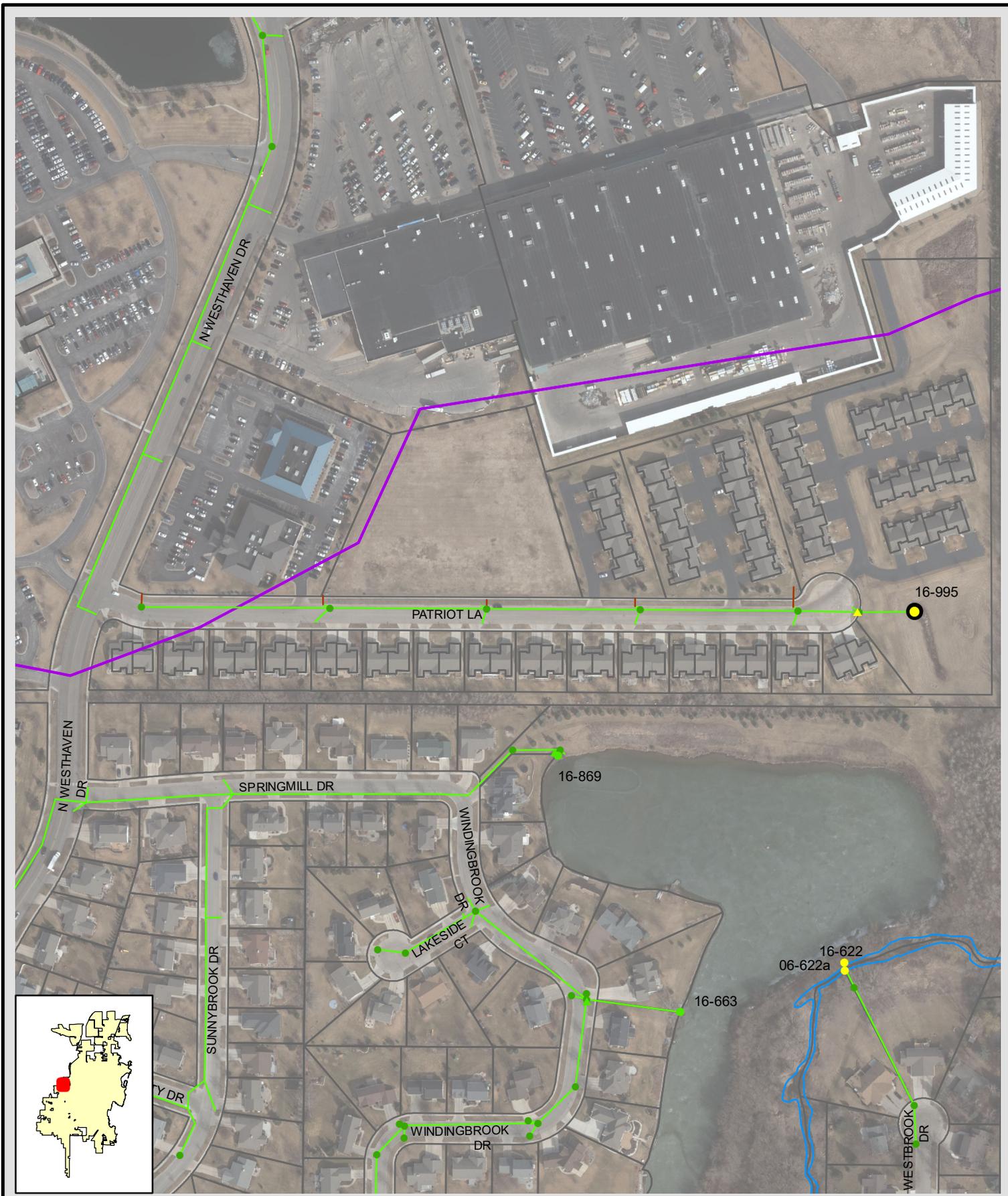
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

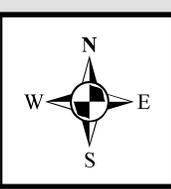
PROJECT NO.
N2029C17

FIGURE NO.
D-10



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 16-995

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-11

Appendix E

MS4 Outfall Screening History/Schedule

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
P	01-20	U	U	U	x	
P	01-35	U	U	U	x	
P	01-278	U	U	U	x	
P	01-520	P	P	P	x	
P	02-357	P	P	P	x	
P	03-22	P	P	P	x	
P	03-35	P	P	P	x	
P	03-81	U	P	P	x	
P	03-119	U	U	U	x	
P	03-173	P	P	P	x	
P	03-381	P	P	P	x	
P	05-241	U	U	P	x	
P	06-52	P	P	P	x	
P	06-253	U	U	P	x	
P	06-810	U	U	U	x	
P	08-284	P	P	P	x	
P	08-347	P	P	P	x	
P	08-937	U	U	U	x	
P	09-101a	U	U	U	x	
P	11-376	P	P	P	x	
P	11-512	P	P	P	x	
P	12-569	P	P	P	x	
P	12-576	U	U	U	x	
P	12-1313	U	U	U	x	
P	12-1328a	O	P	P	x	
P	13-1098	U	U	U	x	
P	13-1588	U	U	U	x	
P	13-1716	U	U	P	x	
P	13-1758	U	U	U	x	
P	13-2957	U	U		x	
P	13-3774	U	U	U	x	
P	14-582	U	U	U	x	
P	14-999	U	U	U	x	
P	14-1514	U	U	U	x	
P	15-143	U	U	U	x	
P	15-146	U	U	U	x	
P	15-1093	U		U	x	
P	15-1108	U	U	U	x	
P	15-2409	U	U	U	x	
P	15-2477	U	U	U	x	
P	16-142	P	P	U	x	
P	16-533	P	P	U	x	
P	16-844	U	U	U	x	
P	16-1205	U	U	U	x	
P	16-1508	P	U	U	x	
NPM	01-360	U				
NPM	01-642	P	P	U		
NPM	03-293		U			
NPM	05-155	U				
NPM	05-216	U				
NPM	06-489				x	

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	06-1132			U		
NPM	06-1136			U		
NPM	06-1601			U		
NPM	06-1746			P	r	
NPM	06-2241				x	
NPM	06-2380	U				
NPM	09-32					
NPM	09-84					
NPM	09-101b				x	
NPM	11-173		U			
NPM	11-400		U			
NPM	11-465a		U			
NPM	11-479		U			
NPM	12-2042	U				
NPM	12-2064				x	
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				x	
NPM	13-2382				x	
NPM	13-2611				x	
NPM	13-2613				x	
NPM	13-2736				x	
NPM	13-2822b				x	
NPM	13-2872b				x	
NPM	13-337					
NPM	13-471				x	
NPM	13-68	U				
NPM	13-875				x	
NPM	14-188		U			
NPM	14-331		U			
NPM	14-400		U			
NPM	14-595			U		
NPM	14-635			U		
NPM	14-644			U		
NPM	14-645			U		
NPM	14-659			U		
NPM	14-670			U		
NPM	14-676			U		
NPM	14-766			U		
NPM	14-996			U		
NPM	14-1007			U		
NPM	15-1032					
NPM	15-1067					
NPM	15-1095					
NPM	15-1219					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPM	15-1248					
NPM	15-1263					
NPM	15-1277		U			
NPM	15-1817		U			
NPM	15-1889					
NPM	15-2108					
NPM	15-2243					
NPM	15-2404a					
NPM	15-2790					
NPM	15-636		P	U		
NPM	15-744		U			
NPM	15-787		U			
NPM	15-910		U			
NPM	15-940		U			
NPM	15-959		U			
NPM	16-1610					
NPM	16-295	U				
NPM	16-389	U				
NPM	16-436				x	
NPM	FernauPond	U				
NPM	OakwoodPondOut				x	
NPM	WashAller01					
NPNM	01-132					
NPNM	01-318	P	U			
NPNM	01-380	U				
NPNM	02-105	U				
NPNM	02-309	P	P	P	r	
NPNM	02-322	U				
NPNM	02-324	U				
NPNM	03-306				x	
NPNM	03-379				x	
NPNM	03-382				x	
NPNM	03-385				x	
NPNM	03-387				x	
NPNM	03-392				x	
NPNM	05-14	P	P	P	r	
NPNM	05-264a	U				
NPNM	06-3			U		
NPNM	06-65			U		
NPNM	06-154					
NPNM	06-216				x	
NPNM	06-221		P	P	r	
NPNM	06-471				x	
NPNM	06-473				x	
NPNM	06-478				x	
NPNM	06-494				x	
NPNM	06-588				x	
NPNM	06-602				x	
NPNM	06-610				x	
NPNM	06-622a			U		
NPNM	06-729				x	

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	06-745				x	
NPNM	06-795				x	
NPNM	06-798				x	
NPNM	06-829				x	
NPNM	06-880			U		
NPNM	06-961			U		
NPNM	06-968			U		
NPNM	06-977			U		
NPNM	06-1028		P	U		
NPNM	06-1083			U		
NPNM	06-1090			U		
NPNM	06-1149			U		
NPNM	06-1159					
NPNM	06-1161					
NPNM	06-1210			U		
NPNM	06-1211			U		
NPNM	06-1371			P		
NPNM	06-1371a			U		
NPNM	06-1373			U		
NPNM	06-1477			U		
NPNM	06-1495			U		
NPNM	06-1562				x	
NPNM	06-1619					
NPNM	06-1633					
NPNM	06-1636					
NPNM	06-1694				x	
NPNM	06-1814			U		
NPNM	06-1816			U		
NPNM	06-1986					
NPNM	08-55					
NPNM	08-100	U				
NPNM	08-162	U				
NPNM	08-270	U				
NPNM	08-271	U				
NPNM	08-279	U				
NPNM	08-285	U				
NPNM	08-350	U				
NPNM	08-364	P	P			
NPNM	08-369	U				
NPNM	08-395	U				
NPNM	08-1042	U				
NPNM	09-101c					
NPNM	11-46					
NPNM	11-64					
NPNM	11-69					
NPNM	11-71					
NPNM	11-75					
NPNM	11-79					
NPNM	11-118					
NPNM	11-177					
NPNM	11-225					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	11-244					
NPNM	11-247					
NPNM	11-318					
NPNM	11-515					
NPNM	11-801					
NPNM	11-803					
NPNM	11-805					
NPNM	12-889	U				
NPNM	12-972	U				
NPNM	12-997	U				
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					
NPNM	12-1781	U				
NPNM	12-1793	U				
NPNM	12-1795	U				
NPNM	12-1916					
NPNM	12-2026	U				
NPNM	12-2034	U				
NPNM	12-2075					
NPNM	12-2079					
NPNM	12-2089					
NPNM	12-2092a					
NPNM	12-2093					
NPNM	12-2273					
NPNM	12-2297	U	U			
NPNM	12-2299	U	U			
NPNM	13-95					
NPNM	13-546					
NPNM	13-819					
NPNM	13-948					
NPNM	13-1109				x	
NPNM	13-1552					
NPNM	13-1554	U				
NPNM	13-1673					
NPNM	13-1715					
NPNM	13-1718	U	U	U		
NPNM	13-1760					
NPNM	13-1766	U				
NPNM	13-1870					
NPNM	13-1957					
NPNM	13-2031					
NPNM	13-2135					
NPNM	13-2156					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
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				X	
NPNM	13-2860				X	
NPNM	13-2867				X	
NPNM	13-2872				X	
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				X	
NPNM	13-3204b				X	
NPNM	13-3224					
NPNM	13-3243					
NPNM	13-3427					
NPNM	13-3431					
NPNM	13-3488				X	
NPNM	13-3497					
NPNM	13-3509					
NPNM	13-3636					
NPNM	13-3706					
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					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
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					
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					

City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
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	16-28		P	U		
NPNM	16-47		U			
NPNM	16-71		P	U		
NPNM	16-93		U			
NPNM	16-119		U			
NPNM	16-155		U			
NPNM	16-164				x	
NPNM	16-201		U			
NPNM	16-289		P	U		
NPNM	16-328		U			
NPNM	16-334		U			
NPNM	16-351		U			
NPNM	16-358		U			
NPNM	16-362		U			
NPNM	16-368		U			
NPNM	16-381		U			
NPNM	16-386		U			
NPNM	16-396		U			
NPNM	16-463					
NPNM	16-488		U			
NPNM	16-532		U			
NPNM	16-551		U			
NPNM	16-587				x	
NPNM	16-594		P	P	r	
NPNM	16-622			U		
NPNM	16-629			U		
NPNM	16-646a			U		
NPNM	16-660			P	r	
NPNM	16-663			U		
NPNM	16-719		U			

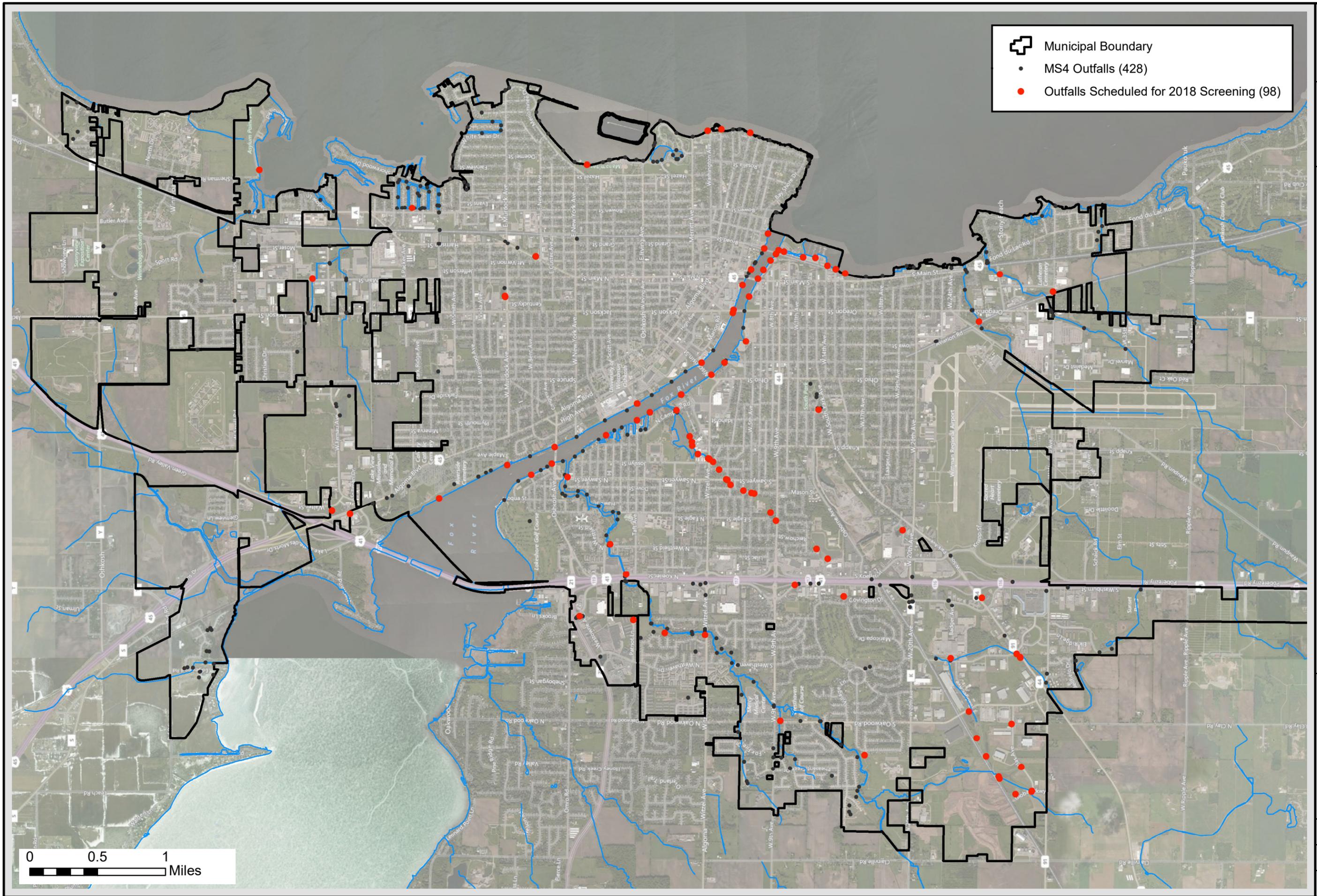
City of Oshkosh

MS4 Outfall Screening History and Schedule

Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	16-826a			U		
NPNM	16-828					
NPNM	16-869			U		
NPNM	16-871		U			
NPNM	16-873		U			
NPNM	16-941			U		
NPNM	16-995			P	r	
NPNM	16-1074		U			
NPNM	16-1204			U		
NPNM	16-1207			U		
NPNM	16-1213			U		
NPNM	16-1578		U			
NPNM	16-1628		U			
NPNM	16-1633			U		
NPNM	EdgePond1out					
NPNM	EdgePond2in					
NPNM	Osh0944					
NPNM	Wash41_01	U				
NPNM	Wash41_02	U				

U	Unlikely	77	71	76	0	0
P	Potential	20	27	25	0	0
O	Obvious	1	0	0	0	0
		98	98	101	0	0
x	Scheduled	0	0	0	91	0
r	Reinspect	0	0	0	7	0
		0	0	0	98	0

Total MS4 Outfalls		
P	Priority Outfall (annual)	45
NPM	Non-Priority Major Outfall (5 years)	79
NPNM	Non-Priority Non-Major Outfall (10 years)	304
		428



-  Municipal Boundary
-  MS4 Outfalls (428)
-  Outfalls Scheduled for 2018 Screening (98)



Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW
 Date: 1/24/2018

**2017 IDE ONGOING SCREENING PROGRAM
 OUTFALLS SCHEDULED FOR 2018 SCREENING**

CITY OF OSHKOSH
 WINNEBAGO COUNTY, WISCONSIN



ONE SYSTEMS DRIVE PHONE (920) 735-6900
 APPLETON, WI 54914 FAX (920) 630-6100

SCALE:
 1" = 3,333'
 PROJECT NO.
N2029C17
 FIGURE NO.
E-1

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