

Illicit Discharge Detection and Elimination
Conducted For
City of Oshkosh

Ongoing Screening Summary Report

2017 Inspection Year

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Table of Contents

EXECUTIVE SUMMARY	1
BACKGROUND	1
PURPOSE	1
PROGRAM HISTORY	2
SCREENING METHODOLOGY	3
RAINFALL AND FLOW	5
RAINFALL	5
FLOW	7
SUBMERGED OUTFALLS	9
PHYSICAL INDICATOR ASSESSMENT	9
FLOATABLES	9
ODOR	10
TURBIDITY	10
COLOR	10
VEGETATION	11
BENTHIC GROWTH	11
STAINS	11
GROSS SOLIDS	12
OBSERVED CONDITIONS	12
CHEMICAL ANALYSIS	14
PH	14
TEMPERATURE	15
CONDUCTIVITY	16
CHLORINE	18
AMMONIA	18
DETERGENTS	20
POTENTIAL ILLICIT DISCHARGES	22
UPSTREAM MANHOLES WITH SIGNIFICANT FLOATABLE DEBRIS	24
OUTFALL 03-81 (PIONEER DRIVE)	25
OUTFALL 03-173 (BLENDED WAXES)	27
OUTFALL 05-241 (ROCKWELL AVE)	29
OUTFALL 06-253 (CAMPBELL ROAD)	30
OUTFALL 06-1371 (WITZEL AVENUE ROUNDABOUT)	32
OUTFALL 06-1746 (LAKE POINTE DRIVE)	33
OUTFALL 12-1328A (NOLTE AVENUE DETENTION BASIN)	34
OUTFALL 13-1716 (CAPITAL DRIVE)	36

OUTFALL 16-660 (FALL CREEK LANE)	37
OUTFALL 16-995 (PATRIOT LANE).....	38
STATUS OF PRIOR YEAR'S ISSUES	40
OUTFALL CONDITION ASSESSMENTS	43
DAMAGE	43
DEPOSITION	47
EROSION.....	51
GRAFFITI.....	52
2018 ONGOING SCREENING PROGRAM	52
CONCLUSION.....	53
STANDARD OF CARE	54

List of Appendices

MS4 OUTFALL MAP	A-1
2017 OUTFALL INSPECTION MAP	A-2
OUTFALL INSPECTION REPORTS	B
LOCATIONS OF OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES	C-1
LOCATIONS OF OUTFALLS WITH DAMAGE	C-2
LOCATIONS OF OUTFALLS WITH DEPOSITION.....	C-3
LOCATIONS OF OUTFALLS WITH EROSION	C-4
LOCATIONS OF OUTFALLS WITH GRAFFITI	C-5
ADDITIONAL INFORMATION FOR OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES	D
MS4 OUTFALL SCREENING HISTORY/SCHEDULE	E

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.

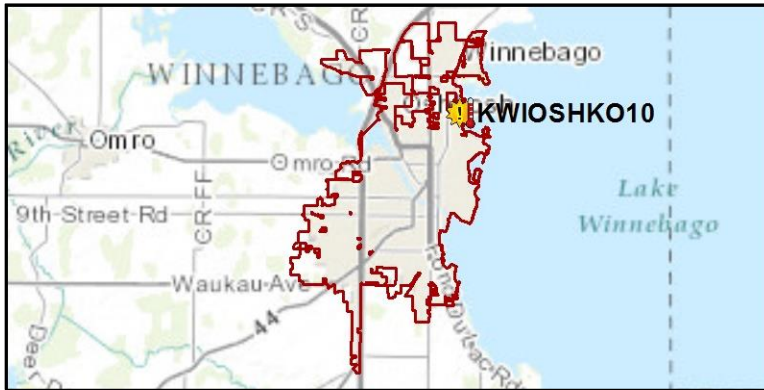


Figure 1 – Location of weather station for weather history

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

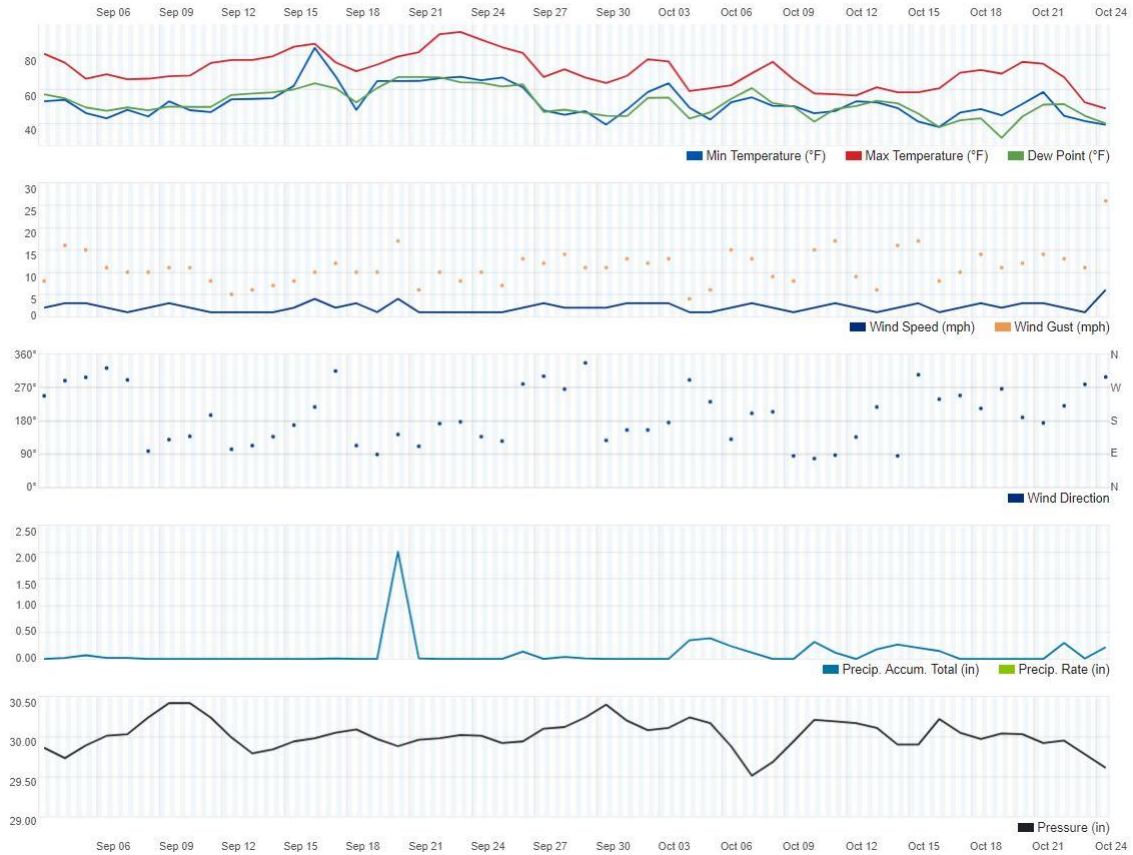


Figure 2 – Summer 2017 weather history (Weather Underground)

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.

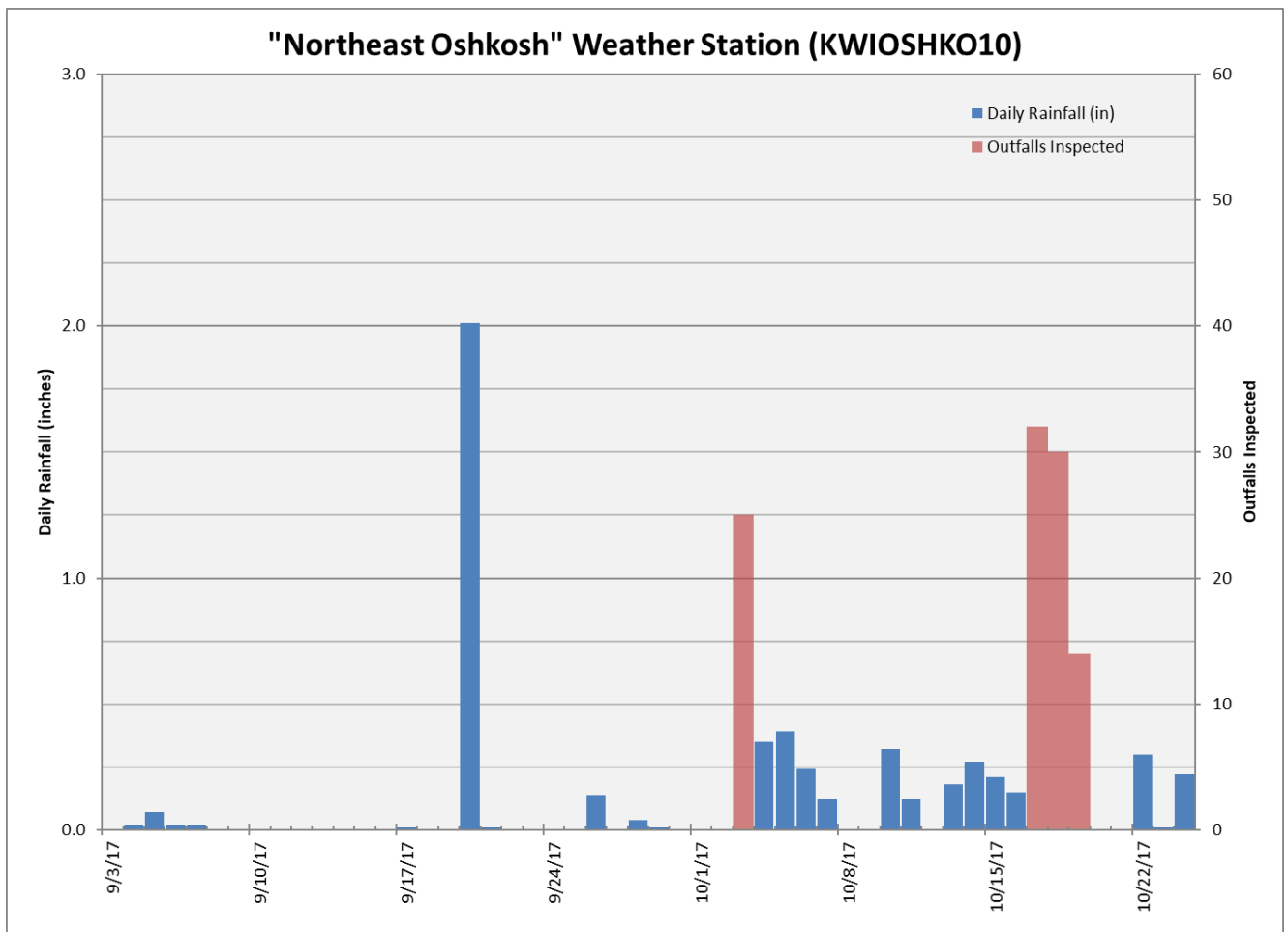


Figure 3 – Rainfall history and outfall inspections

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.

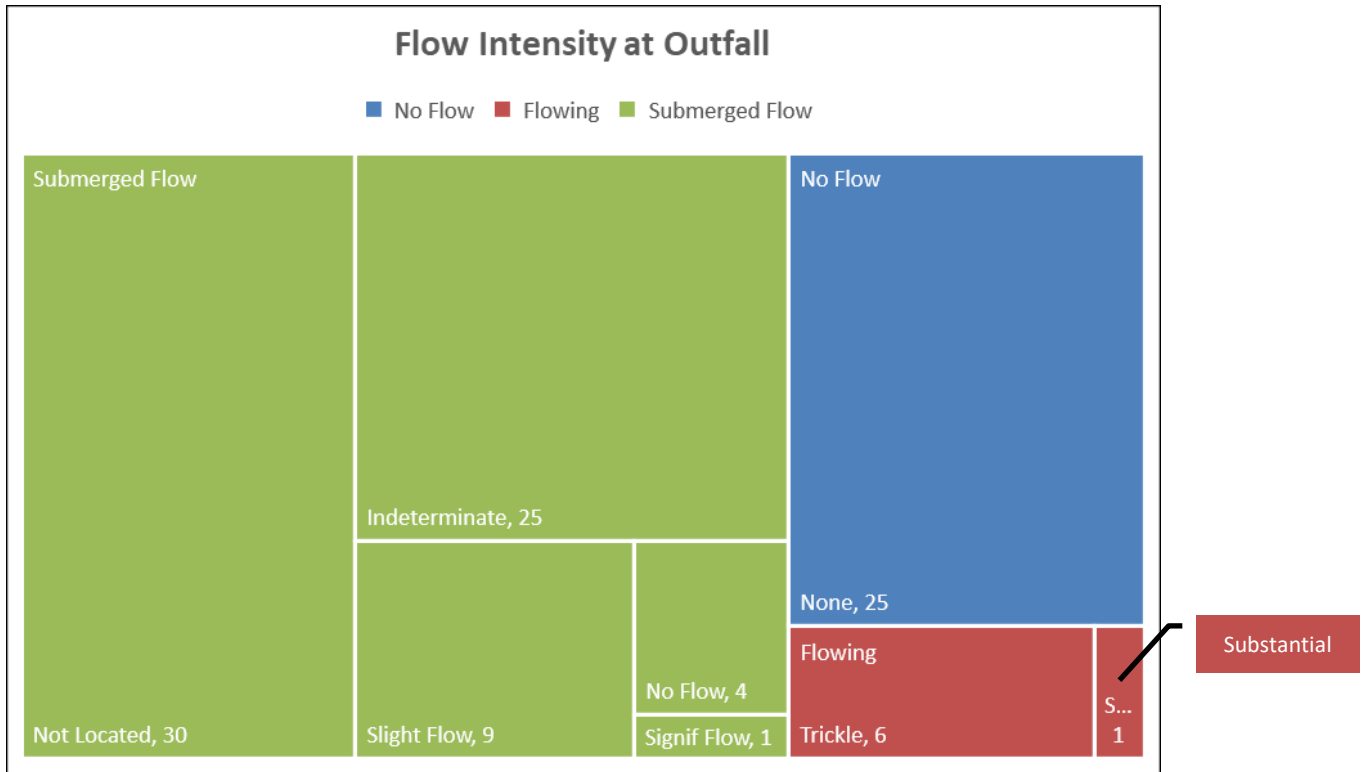


Figure 4 – Flow intensity at outfall

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.

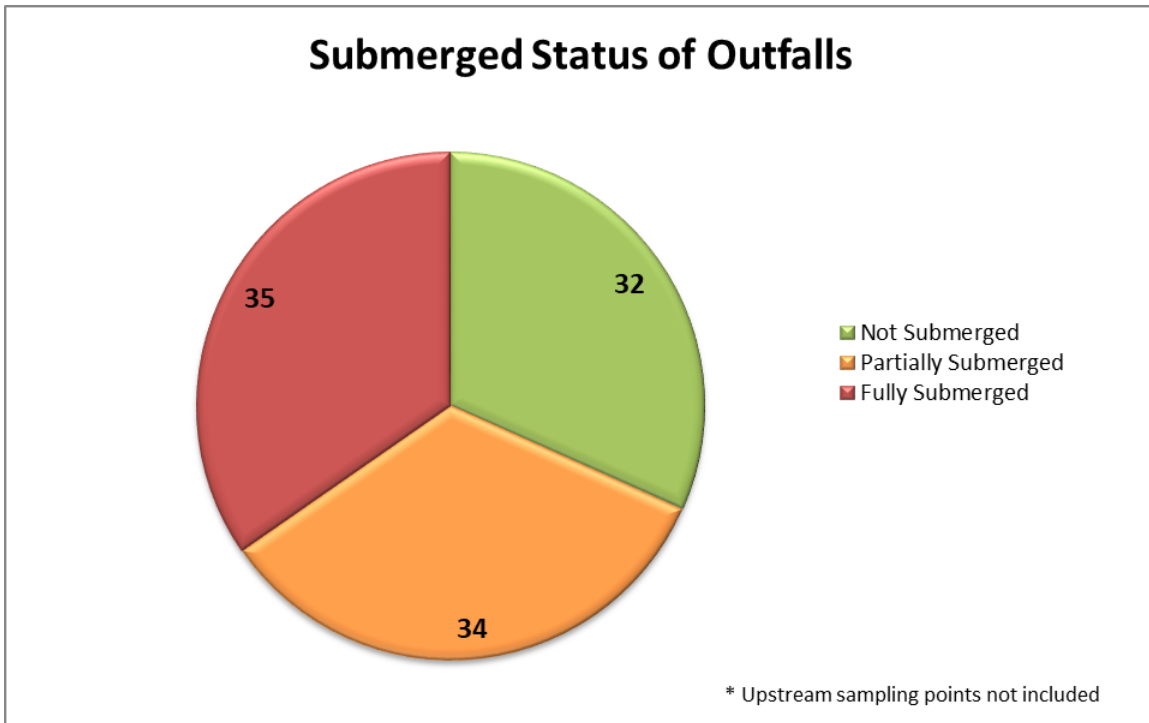


Figure 5 – Submerged status of outfalls

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.

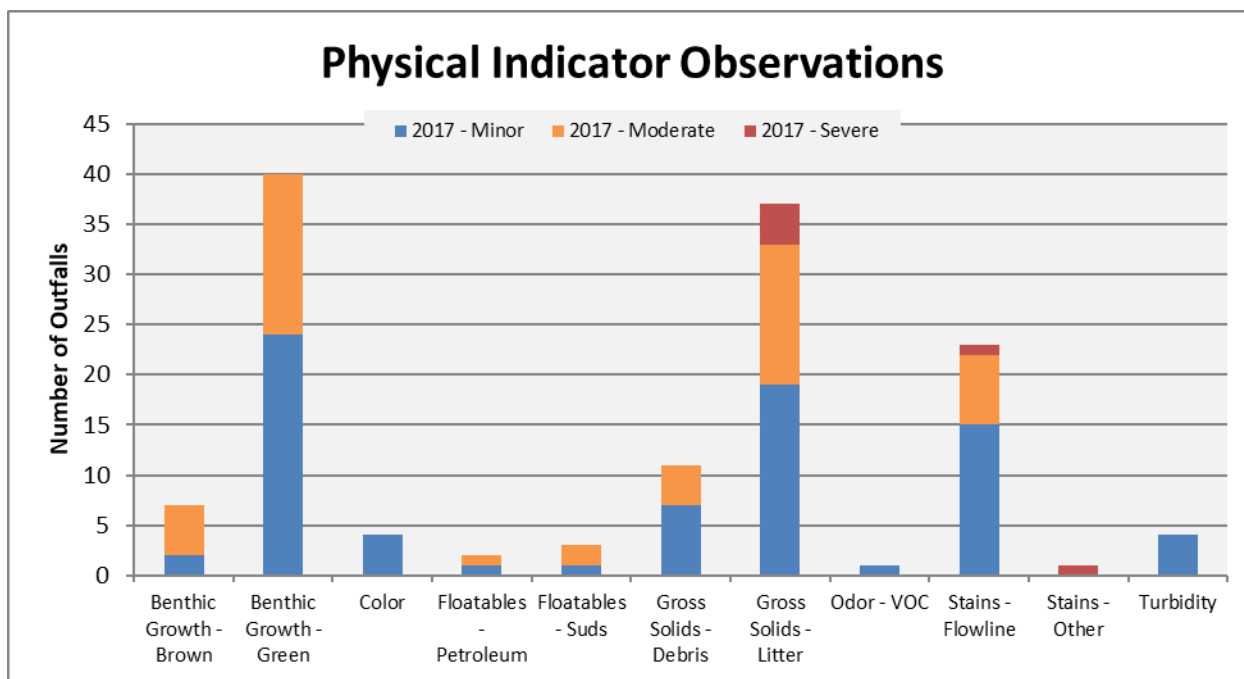


Figure 6 – Physical indicator observations

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.

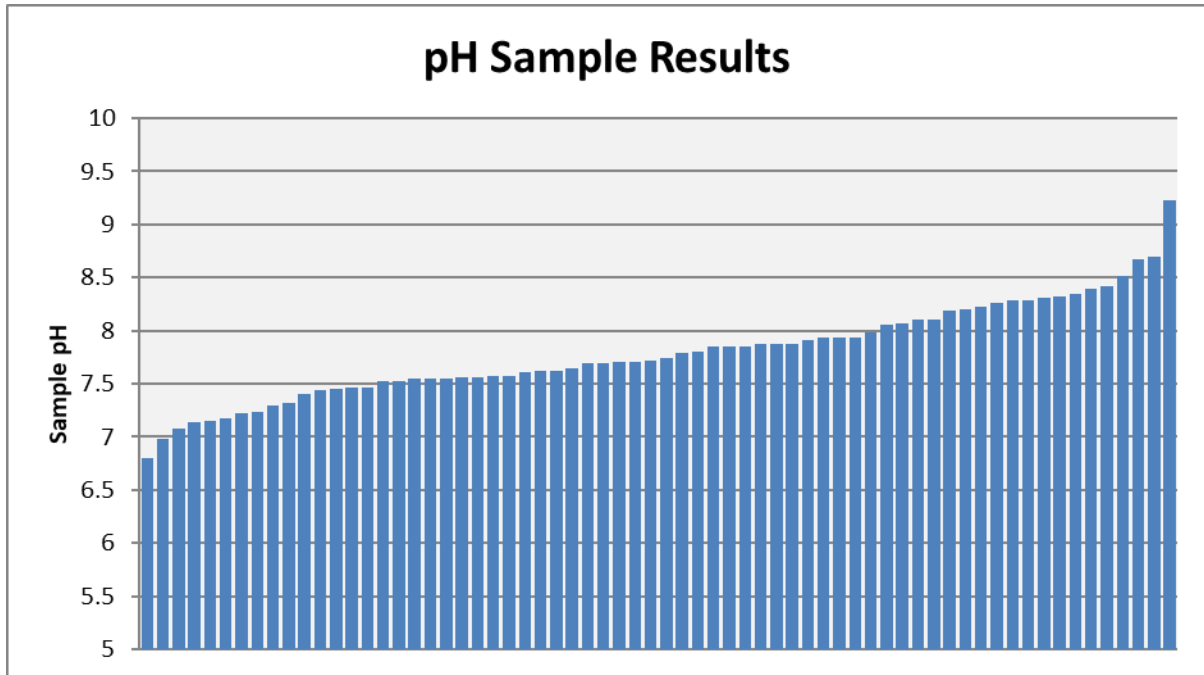


Figure 7 – pH sample results

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.

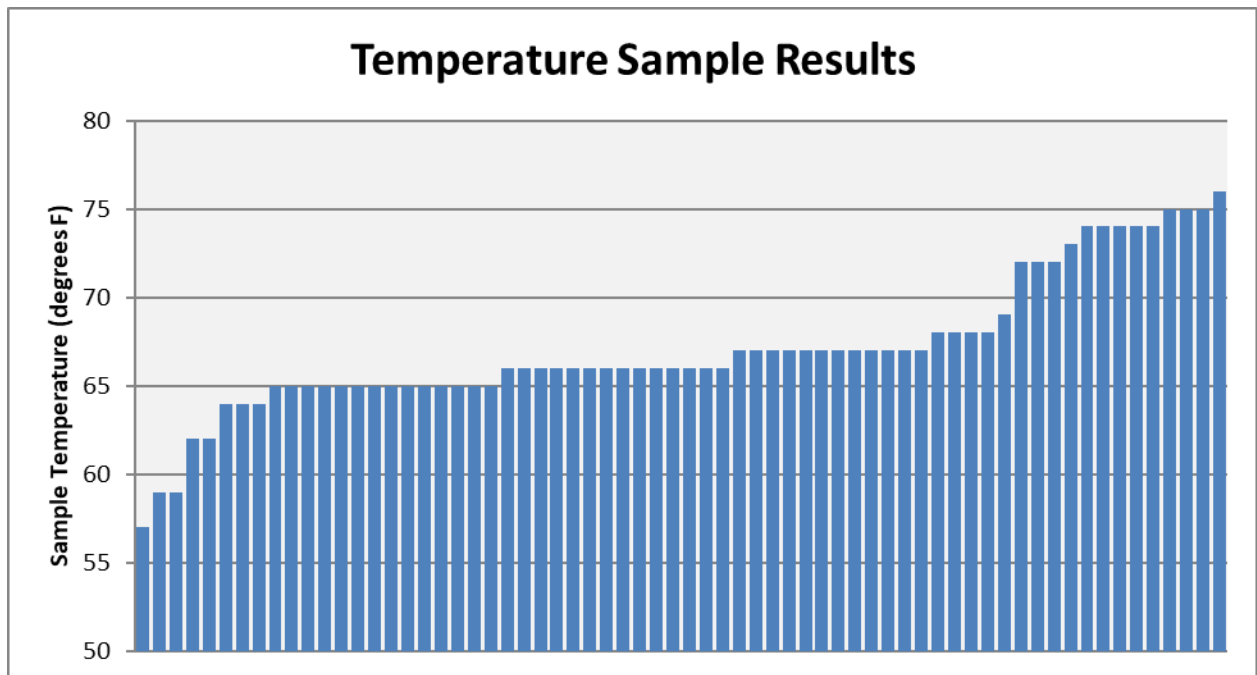


Figure 8 – Temperature sample results

The temperature values ranged from 57 to 76 °F. The samples with the highest temperatures were collected from locations that could be influenced by solar heating, so the upper values were not considered suspect. None of the samples exhibited abnormal temperatures, so none of the samples were considered suspect due to temperature.

Conductivity

Background

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

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

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

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

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

Testing Method

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

Results

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

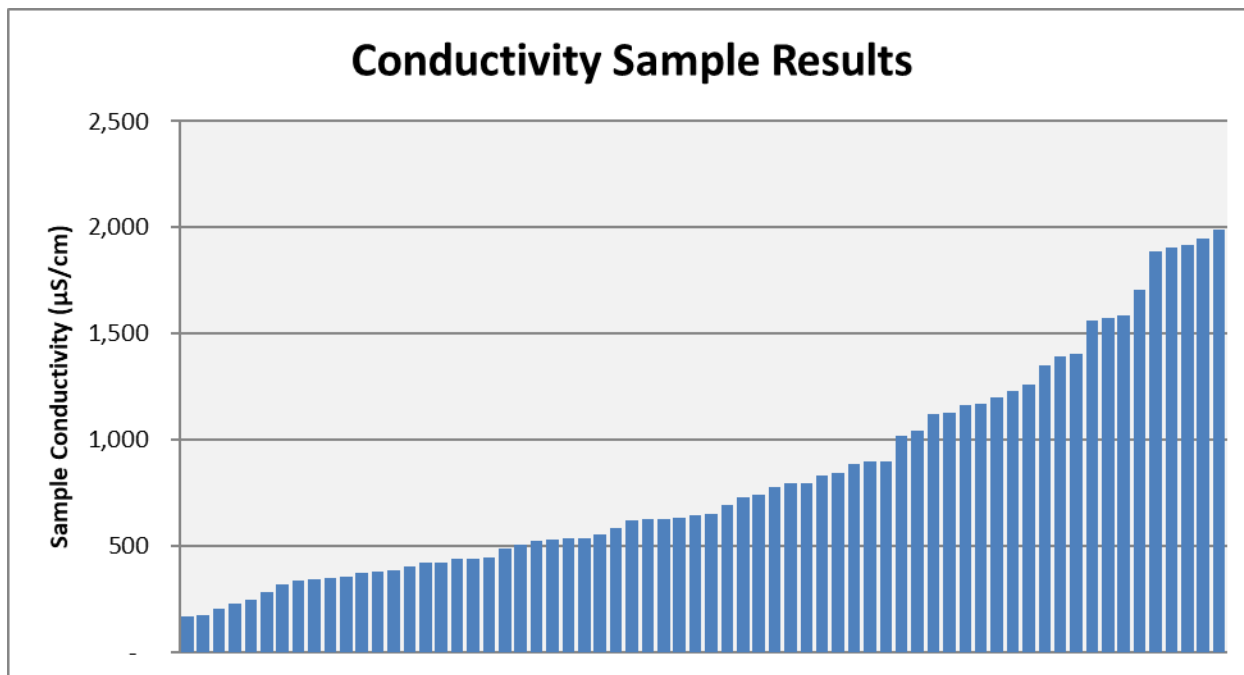


Figure 9 – Conductivity sample results

The conductivity values ranged from 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.

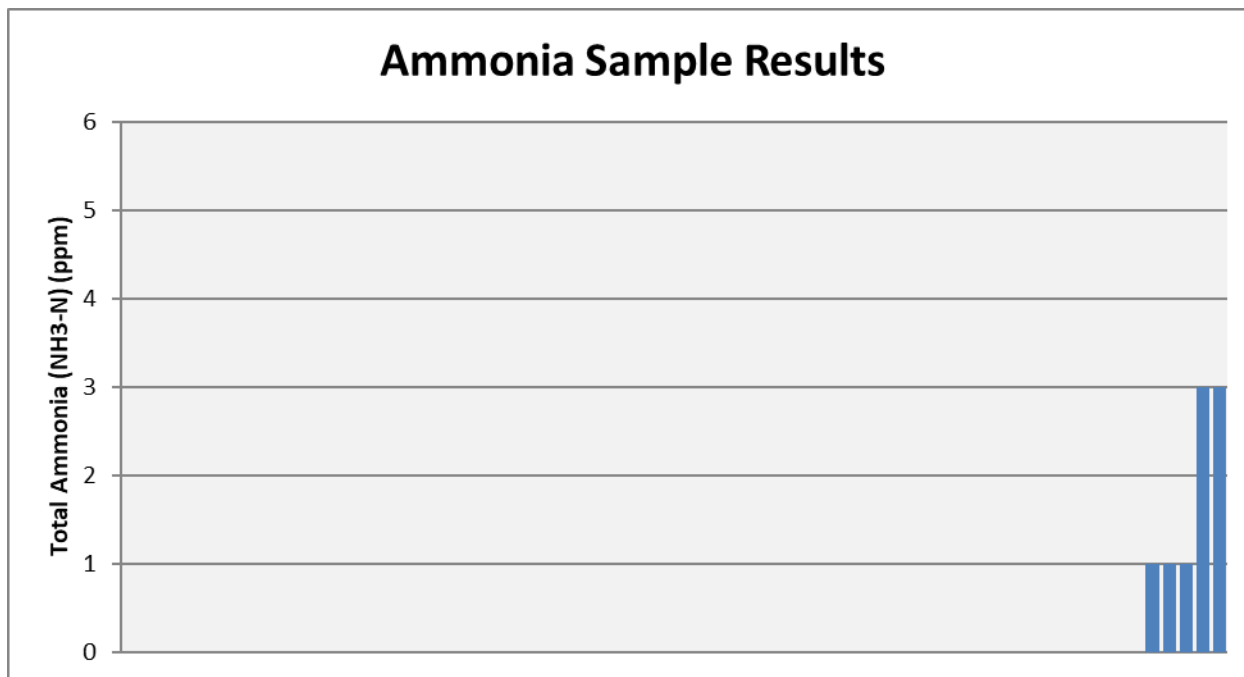


Figure 10 – Ammonia sample results

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.

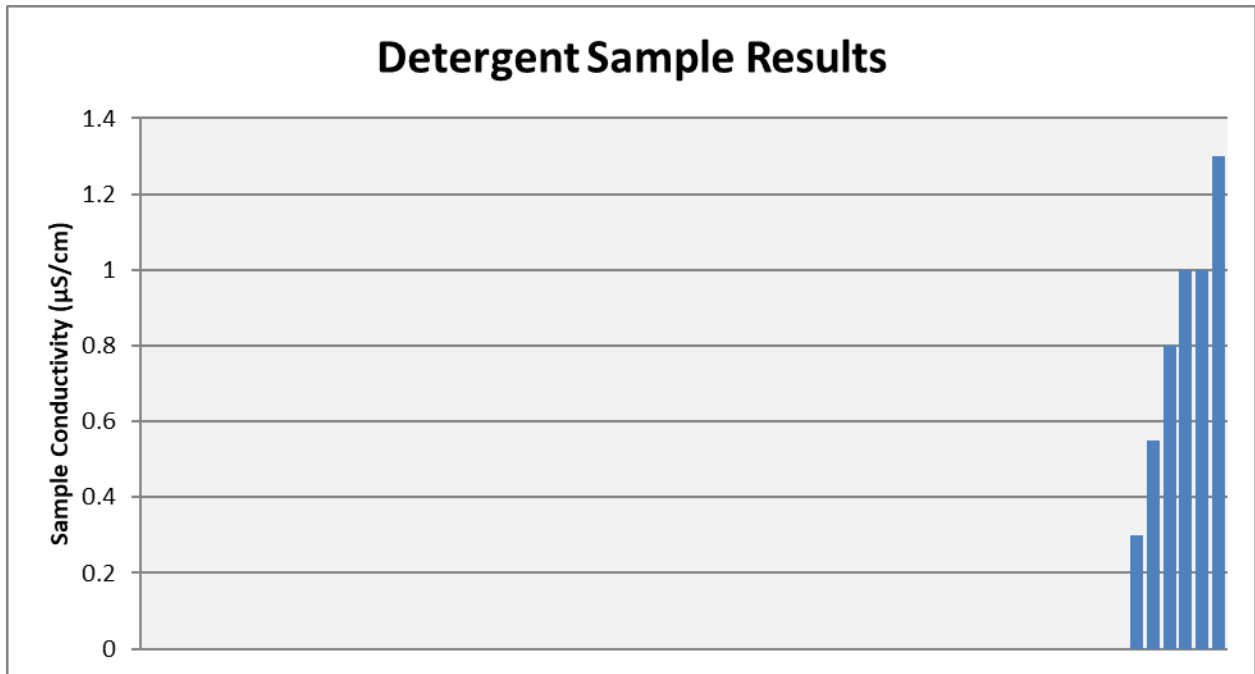


Figure 12 – Detergent sample results

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.

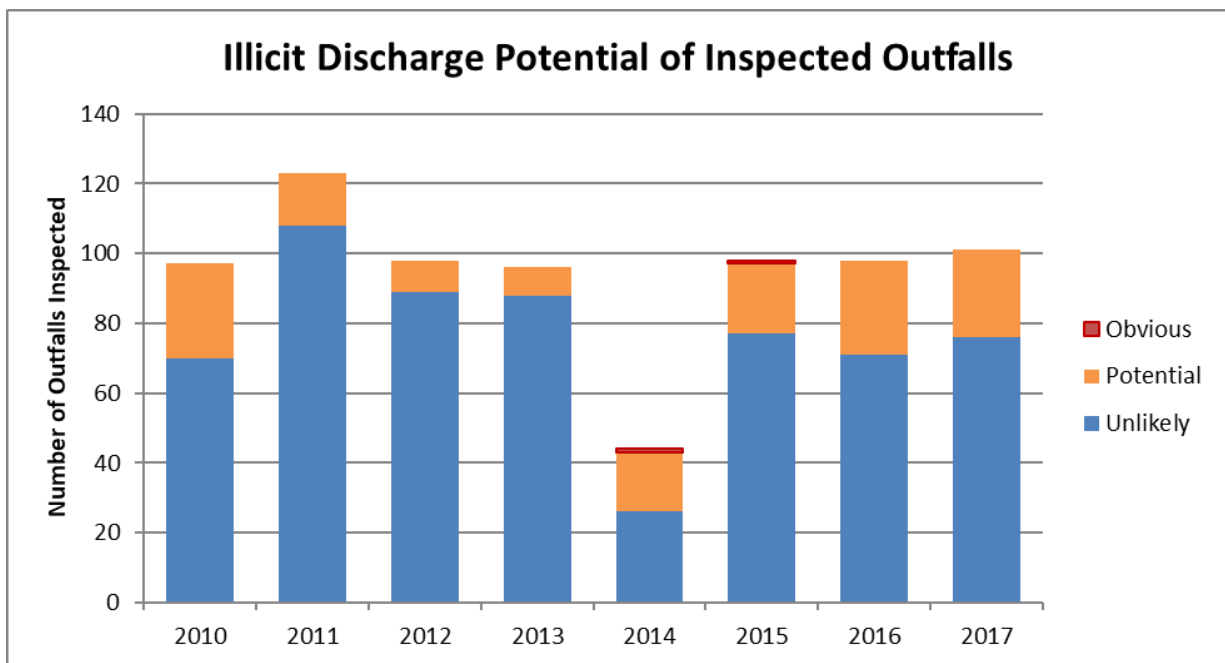


Figure 13 – Illicit discharge potential of inspected outfalls

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 (µS/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 µS/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 (µS/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:

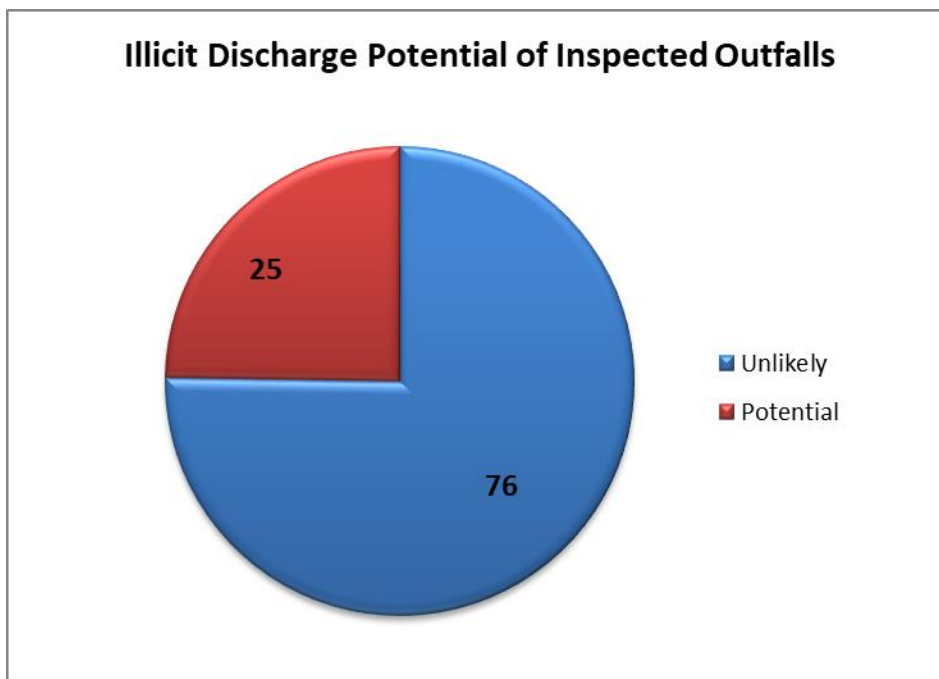


Figure 76 – Illicit discharge potential

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

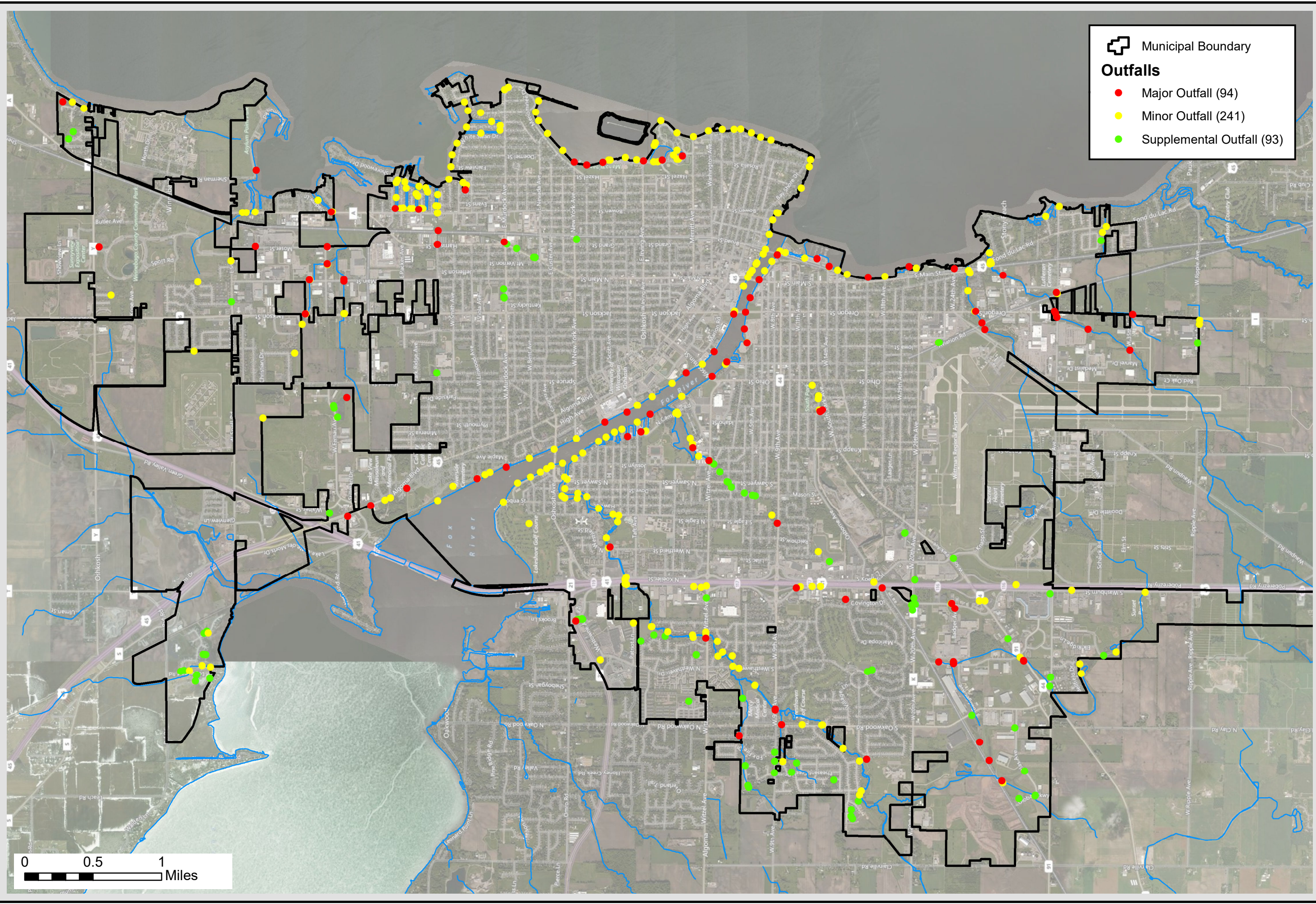
Reviewed By:


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



ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

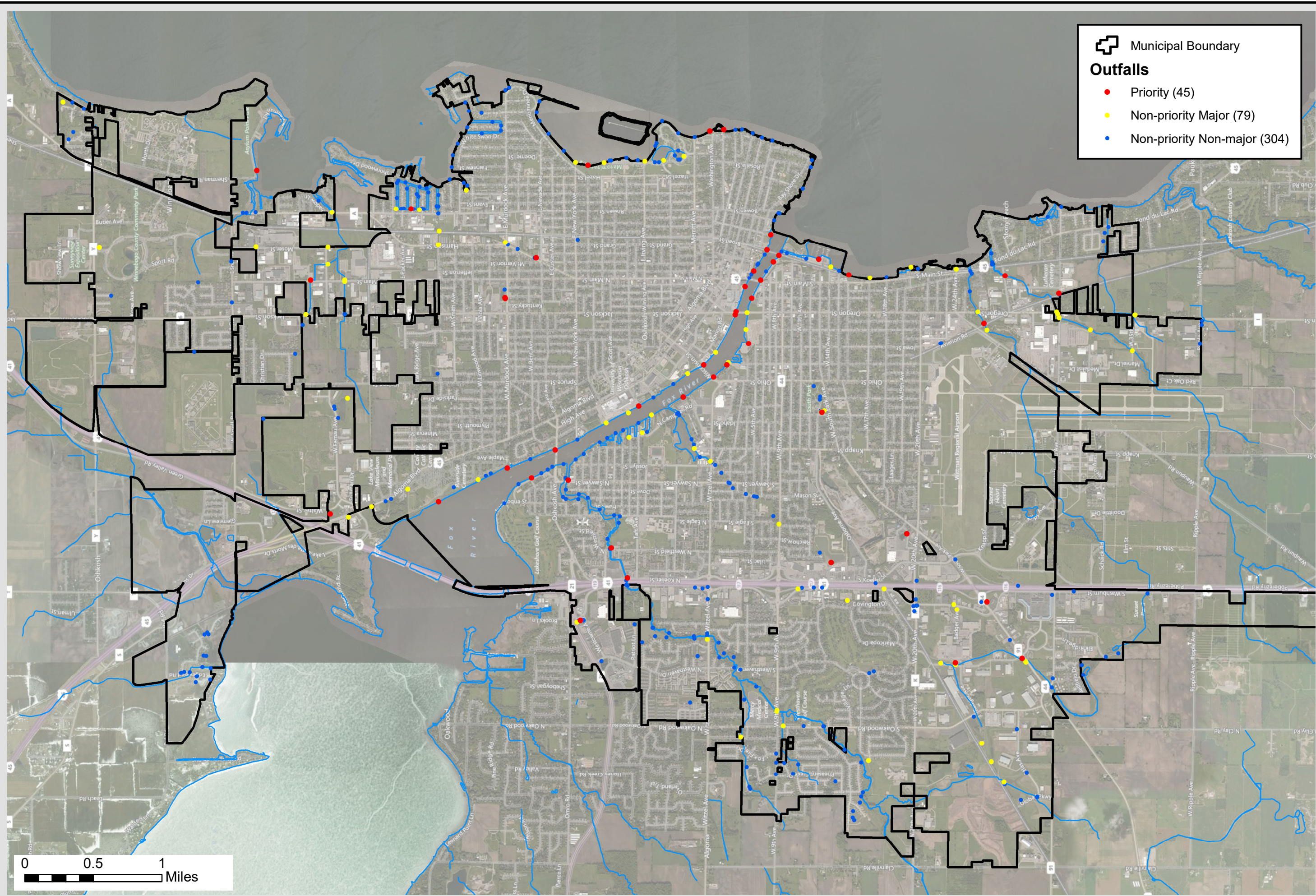
PHONE (920) 735-6900
FAX (920) 830-6100


SCALE:
1" = 3,333'

PROJECT NO.
N2029C17

FIGURE NO.
A-1a

F:\ENVI\ROI\IDE\GIS\MS4Map_11x17_Oshkosh.mxd



 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 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP - PRIORITY STATUS

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN



ONE SYSTEMS DRIVE
APPLETON, WI 54914

PHONE (920) 735-6900

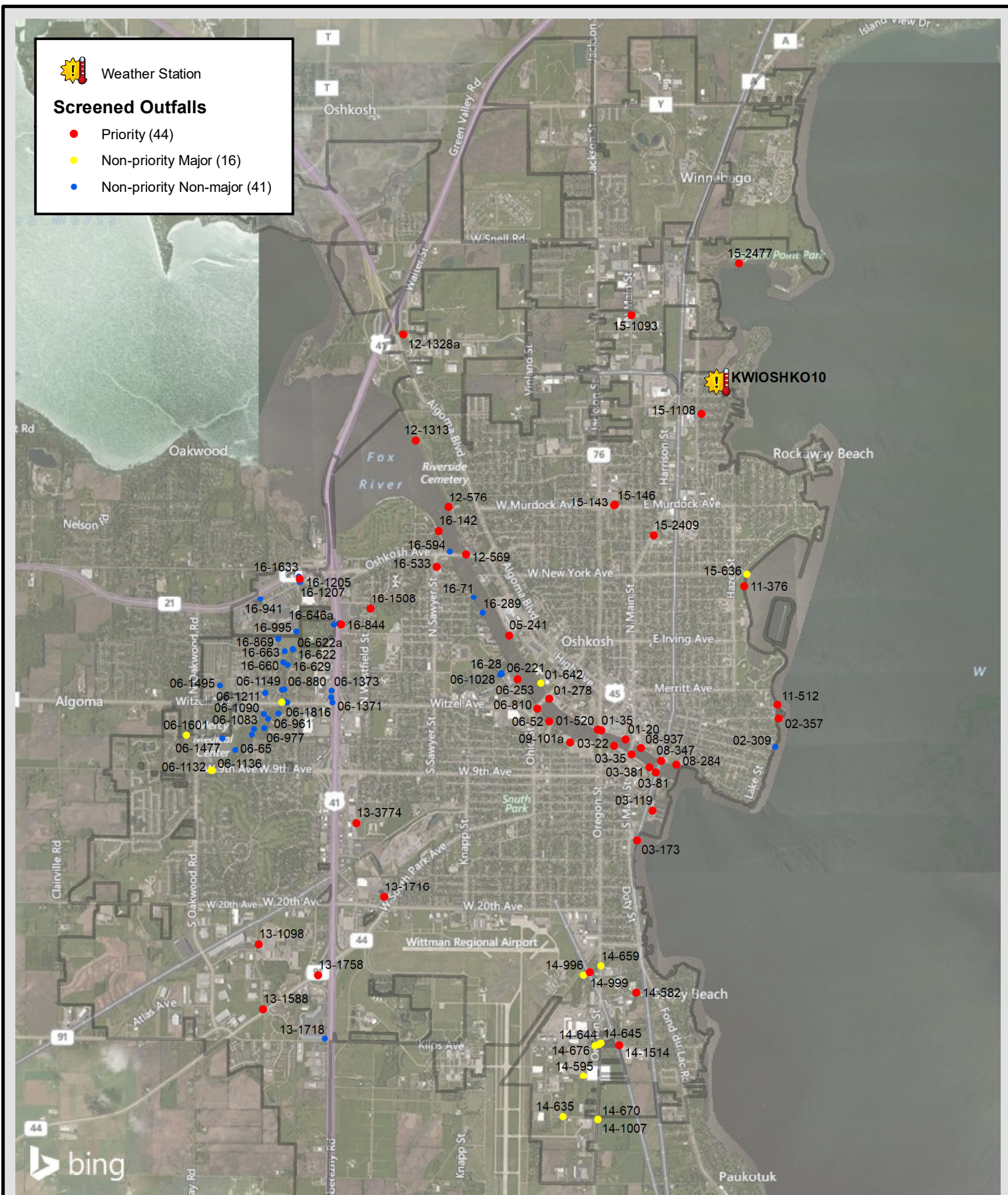
FAX (920) 630-6100

SCALE:
1" = 3,333'

PROJECT NO.
N2029C17

FIGURE NO.
A-1b

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



 <p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p>2017 IDDE ONGOING SCREENING PROGRAM</p> <p>2017 OUTFALL INSPECTION MAP</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p> <p>Date: 1/23/2018</p>	<p>SCALE: 1" = 5,047'</p> <p>PROJECT NO. N2029C17</p> <p>FIGURE NO. A-2</p>
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Appendix B

Outfall Inspection Reports

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



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.

Location Map



Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 472,017

Easting: 792,821

Latitude/Longitude:

Latitude: 44.01437

Longitude: -88.53869

Inspection Date: 10/17/2017 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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017145018.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm



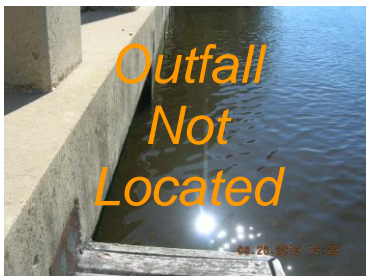
Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

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

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-20

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017145242.JPG

Outfall Notes:

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

Mapping Precision:
☐ Not Physically Located
County Coordinates:

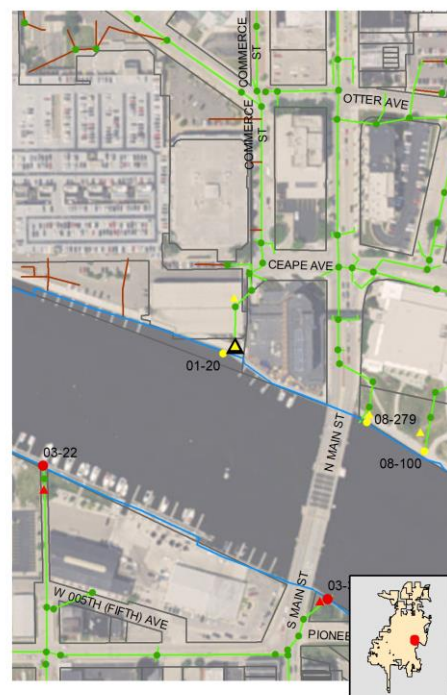
Northing: 472,036

Easting: 792,850

Latitude/Longitude:

Latitude: 44.01442

Longitude: -88.53858

Location Map**Inspection Date:** 10/17/2017 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.

Floatables: None

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

Odor: None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam
Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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


o20171017145250.JPG

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																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.36 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>365 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.36 units	Temperature:	66 °F	Conductivity:	365 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 80px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		 o20161018155322.JPG 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																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.8 units</td> </tr> <tr> <td>Temperature:</td> <td>77 °F</td> </tr> <tr> <td>Conductivity:</td> <td>338 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.8 units	Temperature:	77 °F	Conductivity:	338 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	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:

Northing: 472,359

Easting: 791,866

Latitude/Longitude:

Latitude: 44.01531

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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171017150356.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

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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall not located and assumed submerged - screened upstream at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161018152728.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall under walkway and not physically located during this screening - screened at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150922125816.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 01-35 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20141009072648.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

Inspection Date: 8/25/2010 12:28:17 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 01-35 US1. Estimated submerged depth. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20100825122350.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																													
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p>Osh09_DSCN6709.JPG</p>																													
Submerged: Partially		Depth (in): 21																																	
Sampling Results		<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	<table border="1"> <tr><td colspan="2">Condition Assessment</td></tr> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Condition Assessment		Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None	<p>0 in.</p>	
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																																		
<table border="1"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L																		
Sample Location:																																			
Total Chlorine:	-- ppm																																		
Free Chlorine:	-- ppm																																		
Ammonia:	-- ppm																																		
pH:	-- units																																		
Temperature:	-- °F																																		
Conductivity:	-- µS/cm																																		
Detergents:	-- mg/L																																		

2009

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):



o20171017150642.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 472,431

Easting: 791,868

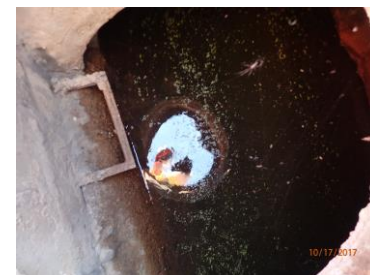
Latitude/Longitude:

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.Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**Graffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20171017150646.JPG

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	Notes																																	
Submerged: Partially		Depth (in): 16	 <p>o20161018153008.JPG</p> <p>2016</p>																																	
Sampling Results <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.18 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>380 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:			Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.18 units	Temperature:	66 °F	Conductivity:	380 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>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:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None
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Stains:	None																																			
Non-illicit:	None																																			
			Condition Assessment <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																								
Graffiti:	None																																			
Erosion:	None																																			
Deposition:	None in.																																			
Damage:	None																																			

Inspection Date: 9/22/2015 1:59:06 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially		Depth (in): 17	 <p>o20150922130010.JPG</p> <p>2015</p>	
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	Condition Assessment	
			Graffiti: None Erosion: None Deposition: None in. Damage: None	


Inspection Date: 10/9/2014 8:31:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially		Depth (in): 12	 <p>o20141009073000.JPG</p> <p>2014</p>	
Sampling Results				
Sample Location: Pool	Floatables:	None		
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	Slight cloudiness		
Ammonia: 0 ppm	Color:	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	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 8/25/2010 12:35:05 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Partially		Depth (in): 18		
Sampling Results				
Sample Location:	Pool	Floatables:		
Total Chlorine:	0 ppm	Odor:		
Free Chlorine:	0 ppm	Turbidity:		
Ammonia:	0 ppm	Color:		
pH:	7.99 units	Gross Solids:		
Temperature	76 °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	0 mg/L	Stains:		
		Non-illicit:		
			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)		 <p>Osh09_DSCN6712.JPG</p> <p>09-09-2009 11:10</p>	
Submerged: Partially		Depth (in): 14					
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.61 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L		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		0 in.	
						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:

Northing: 473,601

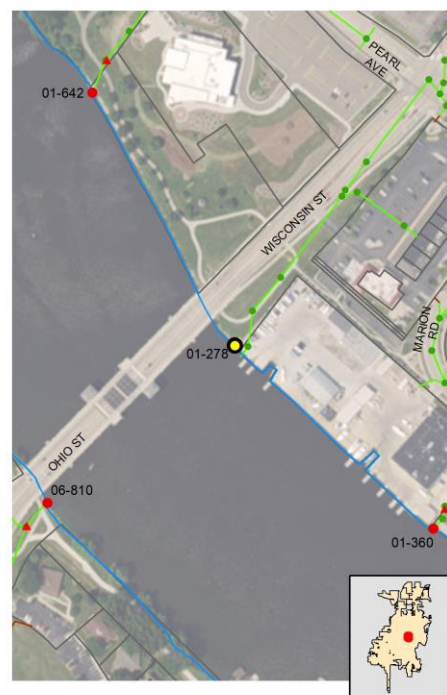
Easting: 789,812

Latitude/Longitude:

Latitude: 44.01871

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



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

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: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 01-278 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161018151658.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>

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: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 01-278 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150922133514.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>

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: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 01-278 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20100825131702.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>

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: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 01-278 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 Osh09_DSCN6704.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>

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):

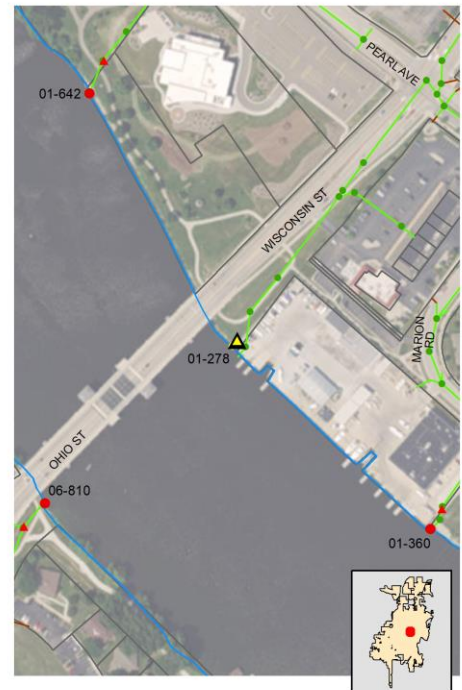
Width (in):



o20171017152916.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

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

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

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



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.)

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,395

Easting: 791,740

Latitude/Longitude:

Latitude: 44.01541

Longitude: -88.54280

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

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

Illicit Discharge Potential: Potential

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017151448.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm


Ammonia (field): -- ppm


pH (field): -- units

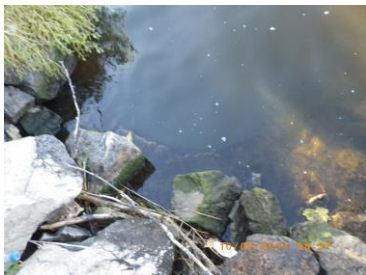
Temperature (field): -- °F

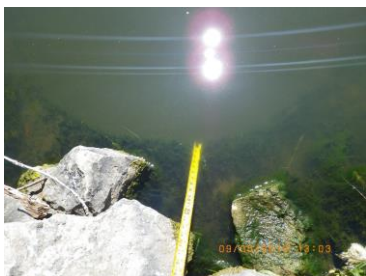
Conductivity (field): -- µS/cm

Detergents: -- mg/L


Inspection Date: 10/18/2016 3:38:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 33		
Sampling Results		Notes Outfall fully submerged - screened upstream at 01-520 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Severe		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161018153652.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>		

Inspection Date: 9/22/2015 2:05:49 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results		Notes Outfall fully submerged and not located during this screening - screened at 01-520 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150922130830.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>		

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		
Sampling Results		Notes Outfall fully submerged - screened upstream at 01-520 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141009073704.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>		

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		
Sampling Results		Notes Outfall fully submerged. Outfall screened upstream at 01-520 US1. 2012 screening follow-up. Gross solids in upstream mh.		
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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>		


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



o20120927085734.JPG

2012

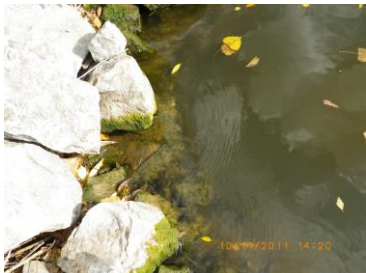
Inspection Date: 6/21/2012 10:35:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Gross solids pre-screening. Outfall fully submerged; screened upstream at 01-520 US1.	
Sampling Results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



o20120621092646.JPG

2012


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



o20111011142004.JPG


2011

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



o20100825123724.JPG

2010

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 01-520 US1.		 Osh09_DSCN6715.JPG 2009	
Submerged: Fully		Depth (in): 56					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

01-520

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

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**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.

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

o20171017151640.JPG

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																																				
Submerged: Fully		Depth (in): 67																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.16 units</td></tr> <tr><td>Temperature:</td><td>66 °F</td></tr> <tr><td>Conductivity:</td><td>531 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.16 units	Temperature:	66 °F	Conductivity:	531 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Color:	Faint in bottle																																					
Gross Solids:	Severe																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Potential illicit discharge due to gross solids.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018153916.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 9/22/2015 2:08:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 70																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.1 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>917 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.1 units	Temperature:	76 °F	Conductivity:	917 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Severe																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20150922130946.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

Inspection Date: 10/9/2014 8:42:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 64																																				
Sampling Results <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>7.84 units</td></tr> <tr><td>Temperature:</td><td>57 °F</td></tr> <tr><td>Conductivity:</td><td>1318 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.84 units	Temperature:	57 °F	Conductivity:	1318 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Severe																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20141009073910.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																			

Inspection Date: 9/5/2013 1:02:45 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 69																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.51 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>424 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.51 units	Temperature:	76 °F	Conductivity:	424 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Severe</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Severe	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.51 units																																					
Temperature:	76 °F																																					
Conductivity:	424 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																																					
		Notes 2012 screening follow-up. Significant gross solids in manhole - similar to previous years.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20130905120924.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>																																			


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



o20120927085918.JPG

2012


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



o20120621092424.JPG

2012


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



o20111011142110.JPG

2011


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



o20110526111400.JPG

2011


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



08.25.2010 12:47
o20100825124708.JPG

2010

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



09.09.2009 11:25
Osh09_DSCN6718.JPG

2009

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171017153938.JPG

Outfall Notes:

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

County Coordinates:

Northing: 474,225

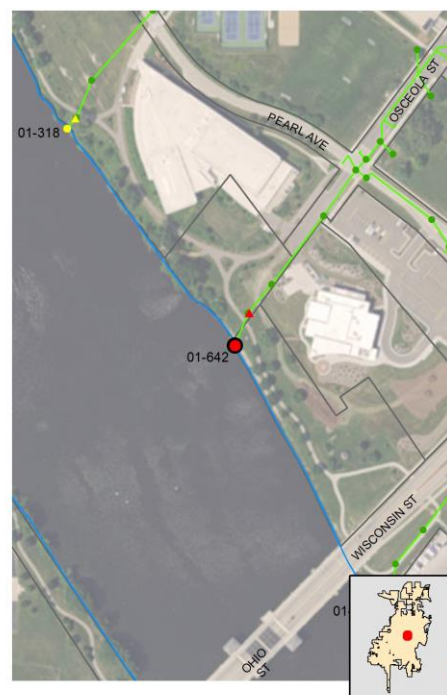
Easting: 789,474

Latitude/Longitude:

Latitude: 44.02042

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017153932.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

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		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged - screened upstream at 01-642 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010161508.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged - screened at 01-642 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924102710.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,305

Easting: 789,510

Latitude/Longitude:

Latitude: 44.02064

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

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☐ Green ☒ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017154228.JPG

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																				
Sampling Results		Notes Potential illicit discharge due to gross solids.																				
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.37 units Temperature: 68 °F Conductivity: 369 µS/cm Detergents: 0 mg/L		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Slight
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	Slight																					
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																				
		 o20161010161634.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																				

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																				
Sampling Results		Notes Floating gross solids (litter) in manhole.																				
Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.61 units Temperature: 71 °F Conductivity: 481 µS/cm Detergents: 0 mg/L		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Slight
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	Slight																					
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																				
		 o20150924101848.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																				

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

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.

County Coordinates:

Northing: 471,714

Easting: 798,728

Latitude/Longitude:

Latitude: 44.01354

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017133948.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

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

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

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

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

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

02-309

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017134056.JPG

Outfall Notes:

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located**County Coordinates:**

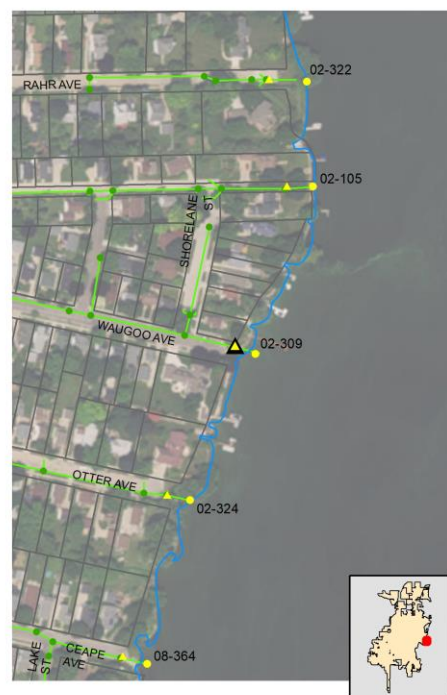
Northing: 471,734

Easting: 798,678

Latitude/Longitude:

Latitude: 44.01360

Longitude: -88.51643

Location Map**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.

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



o20171017134106.JPG

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

Inspection Date: 10/10/2016 10:35:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 28		
Sampling Results 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	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010103236.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/22/2015 7:50:50 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 28		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922065636.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/3/2011 9:47:42 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results 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	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111003094830.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

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		
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	Notes Limited screening conducted for upstream manhole prescreening. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510082708.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20171017133018.JPG

Outfall Notes:

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

County Coordinates:

Northing: 472,832

Easting: 798,869

Latitude/Longitude:

Latitude: 44.01661

Longitude: -88.51570

Location Map



Inspection Date: 10/17/2017 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.

Floatables:

None

Odor:

None

Turbidity:

None

Color:

None

Gross Solids:

None

Vegetation:

None

Benthic Growth:

None

Stains:

None

Non-illicit:

None

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

☐ Litter ☐ Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

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

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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



o20171017133026.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


Inspection Date: 10/10/2016 10:53:43 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 02-357 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161010105240.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>

Inspection Date: 9/22/2015 7:14:30 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 02-357 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150922061856.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/9/2014 12:37:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 02-357 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20141009113806.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

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: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged; screened upstream at 02-357 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20120927073330.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>


Inspection Date: 6/20/2012 8:05:53 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW	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



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):



o20171017133056.JPG

Outfall Notes:

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,861

Easting: 798,850

Latitude/Longitude:

Latitude: 44.01669

Longitude: -88.51577

Inspection Date: 10/17/2017 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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017133104.JPG

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		
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	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010105436.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/22/2015 7:15:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922061944.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 12:40:37 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 35		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009113842.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 9/27/2012 8:31:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 36		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.73 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	Notes 2011 gross solids follow-up. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120927073352.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	


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



o20120620070908.JPG

2012


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



o20111003103104.JPG

2011

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



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

Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

o20171018151940.JPG

Outfall Notes:

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

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018151946.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


Inspection Date: 10/18/2016 4:04:35 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall not located and assumed submerged - screened upstream at 03-22 US1. 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:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 o20161018160304.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																			

Inspection Date: 9/23/2015 7:47:01 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Significant sinking above suspected pipe. Outfall not located - screened at 03-22 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Severe	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 o20150923065132.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>																																			

Inspection Date: 10/9/2014 9:47:52 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened upstream at 03-22 US1. 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:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 o20141009084834.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>																																			

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																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-22 US1. Gross solids in upstream mh. 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:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 o20130731114434.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2013</div>																																			


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	
Submerged: Fully		Depth (in):	Outfall fully submerged; screened upstream at 03-22 US1.	
Sampling Results		Floatables:	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		



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	
Submerged: Fully		Depth (in):	Gross solids pre-screening.	
Sampling Results		Floatables:	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		



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	
Submerged: Fully		Depth (in):	2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
Sampling Results		Floatables:	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		



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	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 03-22 US1.	
Sampling Results		Floatables:	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		



o20100818101918.JPG

2010

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



Osh09_DSCN6765.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-22

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018152152.JPG

Outfall Notes:

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,694

Easting: 792,376

Latitude/Longitude:

Latitude: 44.01348

Longitude: -88.54038

Location Map**Inspection Date:** 10/18/2017 3:25:56 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 44

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

Illicit Discharge Potential: Potential

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018152158.JPG

2017**Sampling Results**

Sample Location: Pool

Sample ID: 171018-03

Time Collected: 15:20

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.32 units


Temperature (field): 66 °F


Conductivity (field): 422 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/18/2016 4:06:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results 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	Notes Potential illicit discharge due to gross solids.	 o20161018160430.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/23/2015 7:51:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 46		
Sampling Results 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	Notes Floating gross solids (litter) in manhole.	 o20150923065324.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/9/2014 9:52:24 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results 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	Notes Floatable litter in catchbasin.	 o20141009085040.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 7/31/2013 12:42:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
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	Notes 2012 screening follow-up. Significant gross solids - similar to previous years.	 o20130731114610.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	


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



o20100818102410.JPG

2010

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



Osh09_DSCN6768.JPG

2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



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:

Northing: 471,413

Easting: 793,066

Latitude/Longitude:

Latitude: 44.01271

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018150844.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

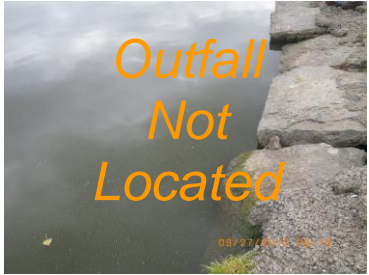
Inspection Date: 10/10/2016 9:52:05 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-35 US1.	 o20161010094930.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>
		Condition Assessment 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 03-35 US1.	 o20150923063720.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>
		Condition Assessment 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 03-35 US1	 o20141009093222.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>
		Condition Assessment 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2012 screening follow-up. Outfall not located. Outfall screened upstream at 03-35 US1. Gross solids in upstream mh.	 o20130731113304.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2013</div>
		Condition Assessment 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	
Submerged: Fully		Depth (in):	Outfall fully submerged; screened upstream at 03-35 US1.	
Sampling Results		Floatables:	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		



o20120927081506.JPG

2012


Inspection Date: 6/20/2012 9:06:10 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Gross solids pre-screening.	
Sampling Results		Floatables:	Condition Assessment 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		



o20120620080844.JPG

2012


Inspection Date: 10/11/2011 9:36:03 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.	
Sampling Results		Floatables:	Condition Assessment 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		



o20111011093254.JPG


2011

Inspection Date: 8/18/2010 9:27:46 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 03-35 US1.	
Sampling Results		Floatables:	Condition Assessment 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		



o20100818092204.JPG

2010

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

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-35

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171018151006.JPG

Outfall Notes:

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

Location Map**County Coordinates:**

Northing: 471,408

Easting: 793,047

Latitude/Longitude:

Latitude: 44.01270

Longitude: -88.53783

Inspection Date: 10/18/2017 3:16:37 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 35

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

Illicit Discharge Potential: Potential

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Severe

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

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

☒ Litter ☐ Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam



o20171018151012.JPG

2017**Sampling Results**

Sample Location: Pool

Sample ID: 171018-07

Time Collected: 15:10

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): 554 µS/cm

Detergents: 0 mg/L


Physical Condition Assessment


Graffiti: None


Erosion: None


Deposition: None Depth (in):

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


Inspection Date: 10/10/2016 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results 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	Notes Potential illicit discharge due to gross solids.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161010094958.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 7:36:00 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results 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	Notes Floating gross solids (litter) in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
			 o20150923063950.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 10:35:52 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 32		
Sampling Results 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	Notes Vegetative debris in photo from opening lid.	
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None		
			 o20141009093356.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 7/31/2013 12:31:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 33		
Sampling Results Sample Location: 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	Notes 2012 screening follow-up. Significant gross solids. Similar to previous years.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20130731113346.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>	


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



o20120927081522.JPG

2012


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



o20120620080918.JPG

2012


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



o20111011092832.JPG

2011


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



o20110526112400.JPG

2011


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



o20100818092304.JPG

2010

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



Osh09_DSCN6763.JPG

2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

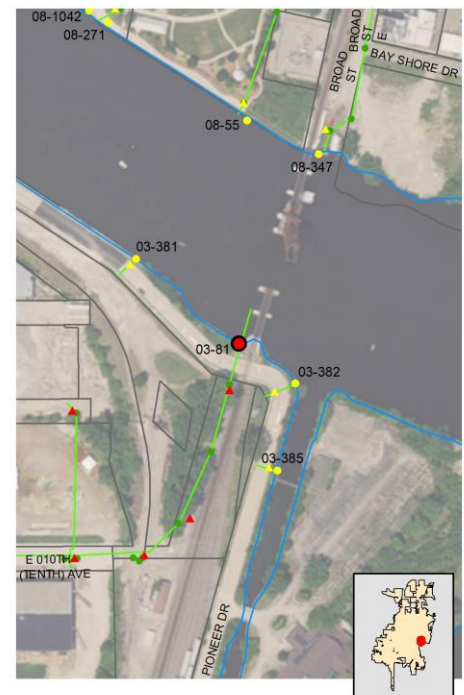


o20171018144744.JPG

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:

Northing: 470,711

Easting: 794,023

Latitude/Longitude:

Latitude: 44.01079

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018144750.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


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	Notes																																											
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-81 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
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Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None in.																																													
Damage:	None																																													
			 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	Notes																																											
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened at 03-81 US1.																																											
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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	Notes																																											
Submerged: Fully		Depth (in):	Outfall fully submerged and not located - screened upstream at 03-81 US1.																																											
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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	Notes																																											
Submerged: Fully		Depth (in):	2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
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Turbidity:	None																																													
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Non-illicit:	None																																													
Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None 0 in.																																													
Damage:	None																																													
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Inspection Date: 8/18/2010 8:38:23 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 03-81 US1.	
Sampling Results			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		



o20100818083116.JPG

2010

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



Osh09_DSCN6745.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-81

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018145006.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 470,599

Easting: 793,998

Latitude/Longitude:

Latitude: 44.01048

Longitude: -88.53421

Inspection Date: 10/18/2017 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**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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




10/09/2014 16:04

02/11/2011 09:44

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.		 <small>05/26/2011 11:29</small> o20110526112952.JPG																											
Submerged: Fully Depth (in):																																	
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td style="width: 50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature: -- °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location:	Floatables:	Total Chlorine: -- ppm	Odor:	Free Chlorine: -- ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: -- units	Gross Solids:	Temperature: -- °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: -- mg/L	Stains:		Non-illicit:	<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		
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	Non-illicit:																																
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Graffiti:	None																																
Erosion:	None																																
Deposition:	None 0 in.																																
Damage:	None																																
						2011																											

Inspection Date: 8/18/2010 8:43:09 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+																											
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Petroleum odor likely from residual petroleum in pipes after 2009 jetting.		 <small>08/18/2010 08:43</small> o20100818083958.JPG																											
Submerged: Fully Depth (in): 47																																	
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Pool</td> <td style="width: 50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: 0 ppm</td> <td>Color:</td> </tr> <tr> <td>pH: 6.63 units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature: 71 °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location: Pool	Floatables:	Total Chlorine: 0 ppm	Odor:	Free Chlorine: 0 ppm	Turbidity:	Ammonia: 0 ppm	Color:	pH: 6.63 units	Gross Solids:	Temperature: 71 °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: 0 mg/L	Stains:		Non-illicit:	<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		
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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: Obvious		Inspector: JCW		Notes Diesel/oil odor, sheen on surface. Floatables with grease. Brown/gray color.		 <small>09/09/2009 14:14</small> Osh09_DSCN6747.JPG																											
Submerged: Fully Depth (in): 44																																	
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location: Pool</td> <td style="width: 50%;">Floatables:</td> </tr> <tr> <td>Total Chlorine: 0 ppm</td> <td>Odor:</td> </tr> <tr> <td>Free Chlorine: 0 ppm</td> <td>Turbidity:</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> </tr> <tr> <td>pH: 6.98 units</td> <td>Gross Solids:</td> </tr> <tr> <td>Temperature: 73 °F</td> <td>Vegetation:</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> </tr> <tr> <td>Detergents: 0 mg/L</td> <td>Stains:</td> </tr> <tr> <td></td> <td>Non-illicit:</td> </tr> </table>		Sample Location: Pool	Floatables:	Total Chlorine: 0 ppm	Odor:	Free Chlorine: 0 ppm	Turbidity:	Ammonia: -- ppm	Color:	pH: 6.98 units	Gross Solids:	Temperature: 73 °F	Vegetation:	Conductivity: -- µS/cm	Benthic Growth:	Detergents: 0 mg/L	Stains:		Non-illicit:	<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		
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Erosion:	None																																
Deposition:	None 0 in.																																
Damage:	None																																
						2009																											

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 13

Width (in): 22

Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

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



County Coordinates:

Northing: 469,179

Easting: 793,881

Latitude/Longitude:

Latitude: 44.00659

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)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

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

Floatables:

None

Odor:

None

Turbidity:

None

Color:

None

Gross Solids:

None

Vegetation:

None

Benthic Growth:

None

Stains:

None

Non-illicit:

None

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

☐ Litter ☐ Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

Outfall
Not
Located

Photo Not Available

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: 10/10/2016 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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened upstream at 03-119 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:																																						
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					



o20161010084558.JPG

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened at 03-119 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					



o20150923060350.JPG

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-119 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
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Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					



o20100818072558.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):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
Sample Location:																																						
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Gross Solids:																																						
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					



Osh09_DSCN6741.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-119

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171018143940.JPG

Outfall Notes:

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



County Coordinates:

Northing: 469,098

Easting: 793,672

Latitude/Longitude:

Latitude: 44.00637

Longitude: -88.53545

Inspection Date: 10/18/2017 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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒ Litter☐ Debris☐ Sediment☐ Other

Vegetation:

None

☐ Inhibited☐ Excessive

Benthic Growth:

None

☐ Green☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171018144002.JPG

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>6.98 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>781 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	6.98 units	Temperature:	63 °F	Conductivity:	781 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>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Slight
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	Slight																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161010084816.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.44 units</td></tr> <tr><td>Temperature:</td><td>69 °F</td></tr> <tr><td>Conductivity:</td><td>516 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.44 units	Temperature:	69 °F	Conductivity:	516 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>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20150923060646.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

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																																				
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Odor:	Faint																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100818072942.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 27																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>7.87 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	7.87 units	Temperature:	76 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 Osh09_DSCN6743.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):

Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

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.

County Coordinates:

Northing: 468,018

Easting: 793,278

Latitude/Longitude:

Latitude: 44.00340

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018142348.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

Inspection Date: 10/10/2016 8:27:25 AM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not located - screened upstream at 03-173 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 in. Damage: None
 o20161010082552.JPG 2016			

Inspection Date: 9/23/2015 6:48:56 AM	Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged and not located during this screening - screened at 13-173 US2.
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
 o20150923054658.JPG 2015			

Inspection Date: 10/7/2014 1:47:08 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Outfall fully submerged - screened upstream at 13-173 US2. Pipe approx 5" below water surface.
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
 o20141007124746.JPG 2014			

Inspection Date: 10/11/2011 10:11:07 AM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 03-173 US2.
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
 o20111011101022.JPG 2011			

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

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-170

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018142550.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 468,043

Easting: 793,166

Latitude/Longitude:

Latitude: 44.00347

Longitude: -88.53737

Inspection Date: 10/18/2017 2:31:11 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 41

Illicit Discharge Potential: Potential

Notes: Evidence of previous spill(s) of waxy substance directly over 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

Physical Condition AssessmentGraffiti: Erosion: Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018142612.JPG

2017**Sampling Results**

Sample Location: Pool

Sample ID: 171018-66

Time Collected: 14:25

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.98 units


Temperature (field): 67 °F


Conductivity (field): 437 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/10/2016 8:30:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 40		
Sampling Results 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	Notes Potential illicit discharge due to gross solids.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161010082808.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 6:51:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 42		
Sampling Results 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	Notes Floating gross solids (litter) - including 5 baseballs - in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150923054948.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	


Inspection Date: 10/7/2014 1:52:27 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 38		
Sampling Results 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	Notes Floating gross solids (litter) in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20141007125104.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 10:04:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
Sampling Results 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	Notes 2010 screening follow-up. Floatable debris significantly reduced.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20111011100336.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

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 Odor:	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		Turbidity: Color: Gross Solids: Slight Vegetation: Benthic Growth: 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 Odor: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.69 units Temperature: 77 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None 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):

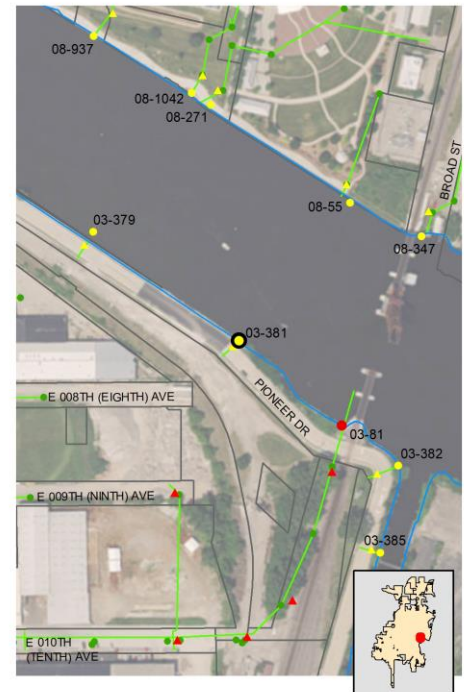


o20171018150102.JPG

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.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 470,924

Easting: 793,775

Latitude/Longitude:

Latitude: 44.01137

Longitude: -88.53506

Inspection Date: 10/18/2017 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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018150108.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

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		Notes Outfall fully submerged and not located - screened upstream at 03-381 US1.		 o20161010091656.JPG	
Submerged: Fully		Depth (in):					
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2016	

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

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

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

Inspection Date: 8/18/2010 8:59:26 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Outfall fully submerged and not physically located. Outfall screened upstream at 03-381 US1.		 o20100818085058.JPG	
Submerged: Fully		Depth (in):					
Sampling Results		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L						2010	

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

03-381

Dimensions

Diameter (in):

Height/Depth (in):

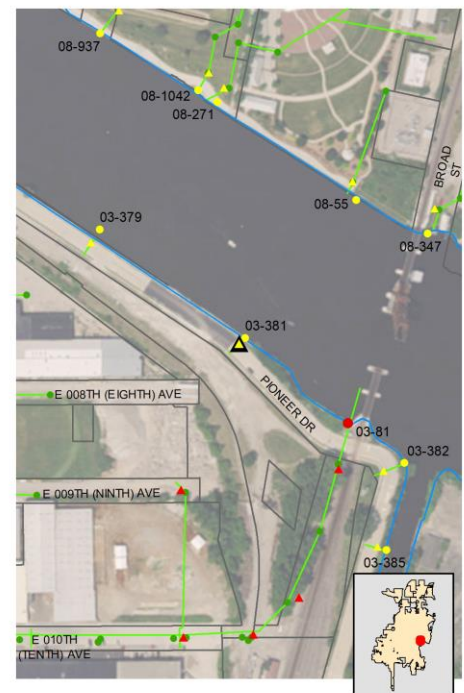
Width (in):



o20171018150132.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 470,910

Easting: 793,760

Latitude/Longitude:

Latitude: 44.01134

Longitude: -88.53512

Inspection Date: 10/18/2017 3:05:57 PM**Inspector:** JCW**Inspection Type:** Ongoing**Previous Rainfall (hrs):** 72+**Flow Description:** Submerged, indeterminate

Submerged: Fully

Depth (in): 16

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

Illicit Discharge Potential: Potential

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171018150142.JPG

2017**Sampling Results**

Sample Location: Pool

Sample ID: 171018-48

Time Collected: 15:01

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.71 units


Temperature (field): 66 °F


Conductivity (field): 317 µS/cm

Detergents: 0 mg/L


Inspection Date: 10/10/2016 9:20:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 14																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.57 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>365 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.57 units	Temperature:	65 °F	Conductivity:	365 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Potential illicit discharge due to gross solids.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20161010091822.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/23/2015 7:26:11 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 20																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>7.69 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>352 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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Benthic Growth:	Slight																																					
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		Notes Floating gross solids (litter) in manhole.																																				
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150923062728.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		


Inspection Date: 10/9/2014 10:25:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 14																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.79 units</td></tr> <tr><td>Temperature:</td><td>57 °F</td></tr> <tr><td>Conductivity:</td><td>408 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	Moderate	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Minor 2 in.																																					
Damage:	None																																					
				 o20141009092338.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																		

Inspection Date: 10/11/2011 9:52:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 12																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.1 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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																																					
		Notes 2010 screening follow-up. Floatable debris significantly reduced.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111011095140.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

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


 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 Sample Location: Pool		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.13 units Temperature: 72 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		


 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.

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 476,107

Easting: 788,230

Latitude/Longitude:

Latitude: 44.02558

Longitude: -88.55615

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017155038.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

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):

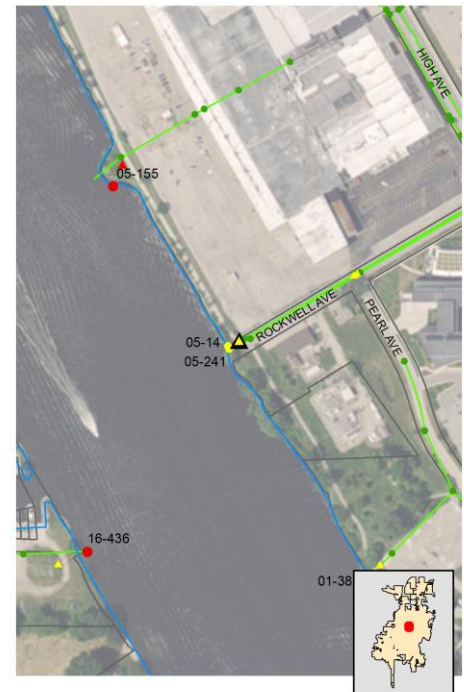
Width (in):



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 Precison:

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.

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



o20171017155256.JPG

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		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.69 units Temperature: 70 °F Conductivity: 660 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	Notes Potential illicit discharge due to gross solids.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161010154428.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 10:36:18 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.98 units Temperature: 70 °F Conductivity: 424 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	Notes Floating gross solids (litter) in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150924093714.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

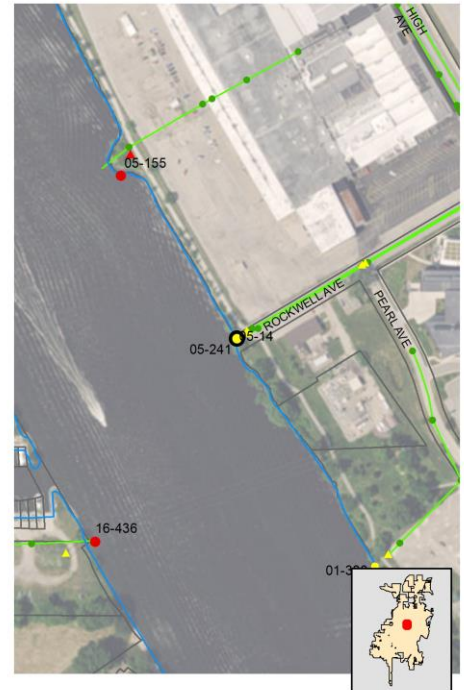


o20171017155036.JPG

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:

Northing: 476,100

Easting: 788,232

Latitude/Longitude:

Latitude: 44.02556

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017155038.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

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

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

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

Inspection Date: 9/9/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 Osh09_DSCN6696.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>	

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):

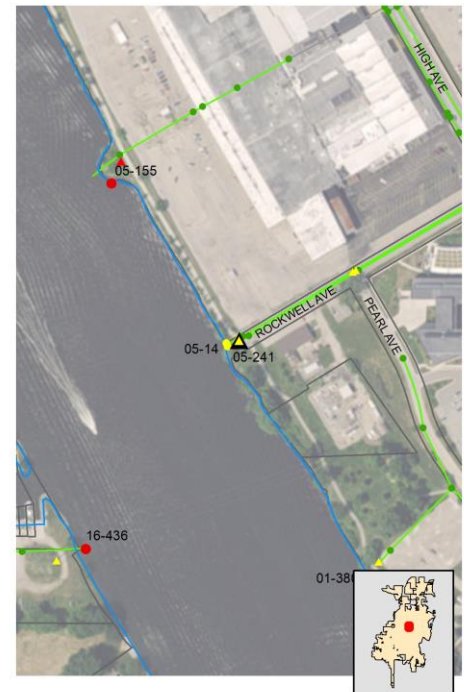
Width (in):



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:

Northing: 476,113

Easting: 788,261

Latitude/Longitude:

Latitude: 44.02560

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017155840.JPG

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

Inspection Date: 10/10/2016 3:50:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 17																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.59 units</td> </tr> <tr> <td>Temperature:</td> <td>69 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1551 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.59 units	Temperature:	69 °F	Conductivity:	1551 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>Slight</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Slight
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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pH:	7.59 units																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Moderate																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	Slight																																					
		Notes <div style="border: 1px solid black; height: 60px;"></div>		 o20161010154822.JPG 2016																																		
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/24/2015 10:27:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 18																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.43 units</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> </tr> <tr> <td>Conductivity:</td> <td>474 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.43 units	Temperature:	71 °F	Conductivity:	474 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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																																					
		Notes <div style="border: 1px solid black; height: 60px;"></div>		 o20150924092818.JPG 2015																																		
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in): 0

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



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

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): 13		
Sampling Results		Condition Assessment		 Osh09_DSCN6698.JPG
Sample Location: Pool		Graffiti: None		
Total Chlorine: 0 ppm	Floatables: None	Erosion: None		
Free Chlorine: 0 ppm	Odor: None	Deposition: None 0 in.		
Ammonia: -- ppm	Turbidity: None	Damage: None		
pH: 8.1 units	Color: None			
Temperature 76 °F	Gross Solids: None			
Conductivity: -- µS/cm	Vegetation: None			
Detergents: 0 mg/L	Benthic Growth: None			
	Stains: None			
	Non-illicit: None			

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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,195

Easting: 778,097

Latitude/Longitude:

Latitude: 44.01483

Longitude: -88.59466

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171003151556.JPG

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

Inspection Date: 6/11/2012 9:00:17 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Water in corrugations, but no flow at time of inspection.			
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: Minor		in.	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- 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					

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:

Northing: 472,713

Easting: 789,812

Latitude/Longitude:

Latitude: 44.01628

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage

Outfall
Not
Located

Photo Not Available

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

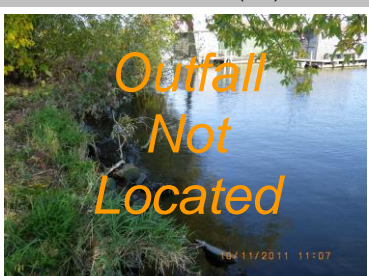
Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/18/2016 2:57:41 PM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+																																									
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20161018145652.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2016</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 06-52 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm			Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.
Sample Location:																																															
Total Chlorine:	-- ppm																																														
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Ammonia:	-- ppm																																														
pH:	-- units																																														
Temperature:	-- ° F																																														
Conductivity:	-- µS/cm																																														
Detergents:	-- mg/L																																														
Floatables:	None																																														
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Color:	None																																														
Gross Solids:	None																																														
Vegetation:	None																																														
Benthic Growth:	None																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None in.																																														
Damage:	None																																														

Inspection Date: 9/23/2015 8:40:05 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+																																									
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p style="text-align: center;">o20150923074404.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2015</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened at 06-52 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm			Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.
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pH:	-- units																																														
Temperature:	-- ° F																																														
Conductivity:	-- µS/cm																																														
Detergents:	-- mg/L																																														
Floatables:	None																																														
Odor:	None																																														
Turbidity:	None																																														
Color:	None																																														
Gross Solids:	None																																														
Vegetation:	None																																														
Benthic Growth:	None																																														
Stains:	None																																														
Non-illicit:	None																																														
Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None in.																																														
Damage:	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		Notes		 <p style="text-align: center;">o20141009083144.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2014</p>																																									
Submerged: Fully		Depth (in):		Outfall fully submerged and not located - screened upstream at 06-52 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm			Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.
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Conductivity:	-- µS/cm																																														
Detergents:	-- mg/L																																														
Floatables:	None																																														
Odor:	None																																														
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Graffiti:	None																																														
Erosion:	None																																														
Deposition:	None in.																																														
Damage:	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		Notes		 <p style="text-align: center;">o20111011110724.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</p>																																									
Submerged: Fully		Depth (in):		2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-52 US1.																																											
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm			Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>		Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.
Sample Location:																																															
Total Chlorine:	-- ppm																																														
Free Chlorine:	-- ppm																																														
Ammonia:	-- ppm																																														
pH:	-- units																																														
Temperature:	-- ° F																																														
Conductivity:	-- µS/cm																																														
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																																														

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		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:			



o20100818124946.JPG

2010

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-52

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018112924.JPG

Outfall Notes:

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



Mapping Precison:

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

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

Illicit Discharge Potential: Potential

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

Severe

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

None

☐ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171018112938.JPG

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


Inspection Date: 10/18/2016 3:00:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results 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	Notes Potential illicit discharge due to gross solids.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20161018145924.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 8:42:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 44		
Sampling Results 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	Notes Floating gross solids (litter) in manhole.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20150923074542.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 9:37:13 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
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	Notes Floating gross solids (litter) in manhole. Filter fabric installed in inlet.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20141009083526.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 11:09:29 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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	Notes 2010 screening follow-up. Floatable debris significantly reduced.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20111011110824.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Inspection Date: 5/26/2011 1:05:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes Limited screening conducted to check for floatable debris.	
Submerged: Fully Depth (in):			 o20110526130522.JPG 2011	
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Moderate		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

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			 o20100818125018.JPG 2010	
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: 7.98 units	Gross Solids:	Severe		
Temperature 76 °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: 0 mg/L	Stains:	None		
	Non-illicit:	None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 471,583

Easting: 777,427

Latitude/Longitude:

Latitude: 44.01314

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.

Floatables: None

Odor: None

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017074300.JPG

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

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		Notes Outfall dry at time of inspection.																													
<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>Slight</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:	Slight		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:	Slight																													
	Non-illicit:	None																													



o20120611091302.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):

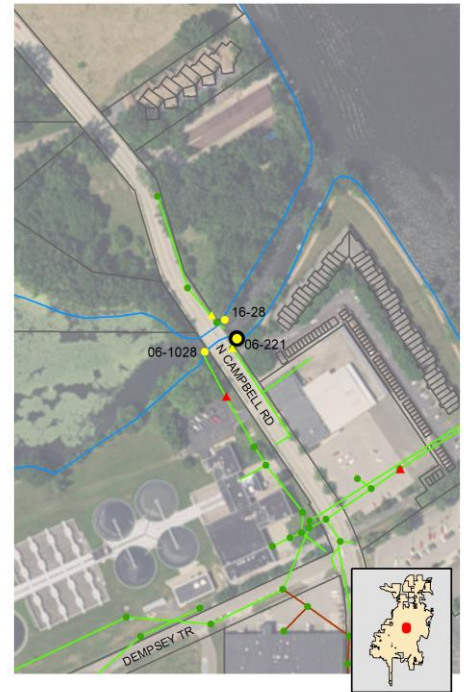


o20171018105458.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 474,575

Easting: 787,954

Latitude/Longitude:

Latitude: 44.02138

Longitude: -88.55720

Inspection Date: 10/18/2017 10:56:45 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Potential

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

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018105502.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

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

Inspection Date: 10/7/2014 9:37:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall partially submerged and not located - screened upstream at 06-221 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141007083652.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 10/11/2011 11:34:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 06-221 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111011113446.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

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

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,552

Easting: 787,942

Latitude/Longitude:

Latitude: 44.02132

Longitude: -88.55724

Inspection Date: 10/18/2017 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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018105550.JPG

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

Inspection Date: 10/18/2016 1:43:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 35																																				
Sampling Results <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>7.06 units</td></tr> <tr><td>Temperature:</td><td>68 °F</td></tr> <tr><td>Conductivity:</td><td>460 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:	7.06 units	Temperature:	68 °F	Conductivity:	460 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
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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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>Minor</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	Minor																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	Minor																																					
			 o20161018134038.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 10/7/2014 9:38:38 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 32																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.78 units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>351 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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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 (Empty)																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Minor 3 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	Minor 3 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Minor 3 in.																																					
Damage:	None																																					
			 o20141007083848.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																			

Inspection Date: 10/11/2011 11:37:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 32																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.5 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Ammonia:	0 ppm																																					
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Temperature:	71 °F																																					
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Floatables:	None																																					
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Gross Solids:	Moderate																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes 2010 screening follow-up. Floatable debris still present.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20111011113522.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

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																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.21 units</td></tr> <tr><td>Temperature:</td><td>79 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.21 units	Temperature:	79 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100818143354.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 34

Width (in): 53

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

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.

County Coordinates:

Northing: 474,389

Easting: 788,576

Latitude/Longitude:

Latitude: 44.02087

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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation:

None

☐ Inhibited☐ Excessive

Benthic Growth:

None

☐ Green☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171019131334.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

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened upstream at 06-253 US1. Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None
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			 o20161018135746.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																											

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):																																												
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Deposition:	None in.																																													
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			 o20150923082910.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>																																											

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):																																												
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Erosion:	None																																													
Deposition:	None 0 in.																																													
Damage:	None																																													
			 o20100818134248.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>																																											

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
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Graffiti:	None																																													
Erosion:	None																																													
Deposition:	None 0 in.																																													
Damage:	None																																													
			 Osh09_DSCN6785.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>																																											

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-253

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171019131652.JPG

Outfall Notes:

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



Inspection Date: 10/19/2017 1:19:57 PM		Inspector: JCW	Inspection Type: Ongoing	Previous Rainfall (hrs): 72+
Flow Description: Submerged, slight flow		Notes: Sample collected from submerged flow in manhole. Elevated ammonia.		
Submerged: Fully		Depth (in): 40		
Illicit Discharge Potential: Potential				
Floatables:	None	<input type="checkbox"/> Petrol. Sheen	<input type="checkbox"/> Suds	<input type="checkbox"/> Sewage
Odor:	None	<input type="checkbox"/> Petroleum	<input type="checkbox"/> Musty	<input type="checkbox"/> Sewage
Turbidity:	None	<input type="checkbox"/> VOC/Solvent	<input type="checkbox"/> Fishy	<input type="checkbox"/> Sulfur
Color:	None	<input type="checkbox"/> Algae	<input type="checkbox"/> Other	<input type="checkbox"/> Chlorine
Gross Solids:	None	<input type="checkbox"/> Litter	<input type="checkbox"/> Debris	<input type="checkbox"/> Sediment
Vegetation:	None	<input type="checkbox"/> Inhibited	<input type="checkbox"/> Excessive	<input type="checkbox"/> Other
Benthic Growth:	None	<input type="checkbox"/> Green	<input type="checkbox"/> Brown	
Stains:	None	<input type="checkbox"/> Flow Line	<input type="checkbox"/> Oil	<input type="checkbox"/> Rust Stains
Non-illicit:	None	<input type="checkbox"/> Paint	<input type="checkbox"/> Other	
		<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	





o20171019131708.JPG


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																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Flow</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.01 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1228 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.01 units	Temperature:	70 °F	Conductivity:	1228 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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		Notes Strong current; significant flies in manhole.																																				
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				 o20161018140148.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

Inspection Date: 9/23/2015 9:31:39 AM		Type: Ongoing	Flow: Submerged, significant flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 42																																				
Sampling Results <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>7.53 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1220 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:	7.53 units	Temperature:	70 °F	Conductivity:	1220 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
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Gross Solids:	Slight																																					
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Non-illicit:	None																																					
		Notes Significant current detected in pool. Many flies emerging from water.																																				
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Deposition:	None in.																																					
Damage:	None																																					
				 o20150923083310.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Inspection Date: 8/18/2010 2:07:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
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				 o20100818135922.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																		

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 38																																				
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				 Osh09_DSCN6791.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>																																		

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 475,564

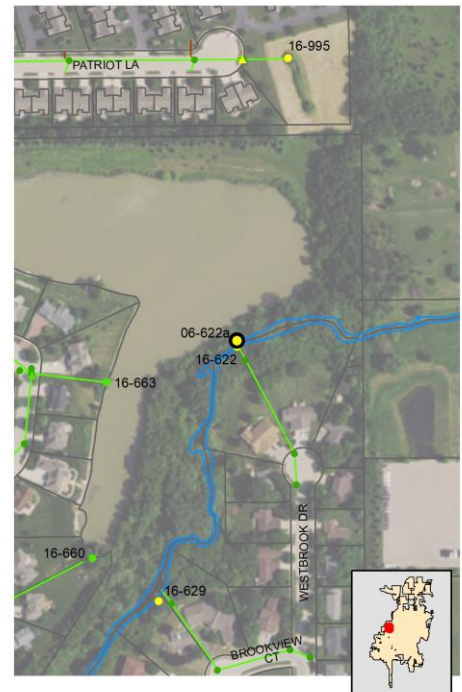
Easting: 779,698

Latitude/Longitude:

Latitude: 44.02407

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.

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



o20171003141348.JPG

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

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

2012

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 38

Width (in): 60

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

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:

Northing: 473,225

Easting: 789,346

Latitude/Longitude:

Latitude: 44.01768

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.

Floatables:

None

Odor:

None

Turbidity:

None

Color:

None

Gross Solids:

None

Vegetation:

None

Benthic Growth:

None

Stains:

None

Non-illicit:

None

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

☐ Litter ☐ Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

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

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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



o20171018111512.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

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																																												
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Damage:	None																																													
			 o20161018144322.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																											

Inspection Date: 9/23/2015 9:09:50 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
Illicit Discharge Potential: Unlikely		Inspector: JCW																																												
Submerged: Fully		Depth (in):																																												
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			 o20150923081344.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>																																											

Inspection Date: 8/18/2010 1:15:26 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																										
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			 o20100818130938.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>																																											

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																										
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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																																													
			 Osh09_DSCN6798.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2009</div>																																											

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-810

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171018111556.JPG

Outfall Notes:

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



County Coordinates:

Northing: 473,170

Easting: 789,293

Latitude/Longitude:

Latitude: 44.01753

Longitude: -88.55210

Inspection Date: 10/18/2017 11:23:20 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Fully

Depth (in): 50

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ Green ☐ Brown

Stains: 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

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

Inspection Date: 10/18/2016 2:47:47 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes
Submerged: Fully		Depth (in): 52	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.93 units Temperature: 67 °F Conductivity: 400 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None


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	Notes
Submerged: Fully		Depth (in): 57	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.39 units Temperature: 70 °F Conductivity: 372 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None

2015

Inspection Date: 8/18/2010 1:18:51 PM	Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes
Submerged: Fully		Depth (in): 55	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.68 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None

2010

Inspection Date: 9/10/2009	Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes
Submerged: Partially		Depth (in): 6	
Sampling Results 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	
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,974

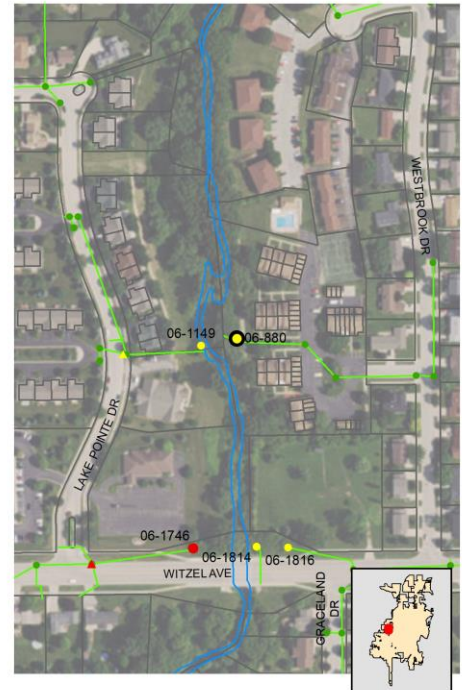
Easting: 779,375

Latitude/Longitude:

Latitude: 44.01971

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171003134456.JPG

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

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):																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.17 units</td> </tr> <tr> <td>Temperature:</td> <td>62 °F</td> </tr> <tr> <td>Conductivity:</td> <td>986 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.17 units	Temperature:	62 °F	Conductivity:	986 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	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																																					
		Notes <div style="border: 1px solid black; height: 80px; width: 100%;"></div>		 o20120530074112.JPG																																		
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					

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):

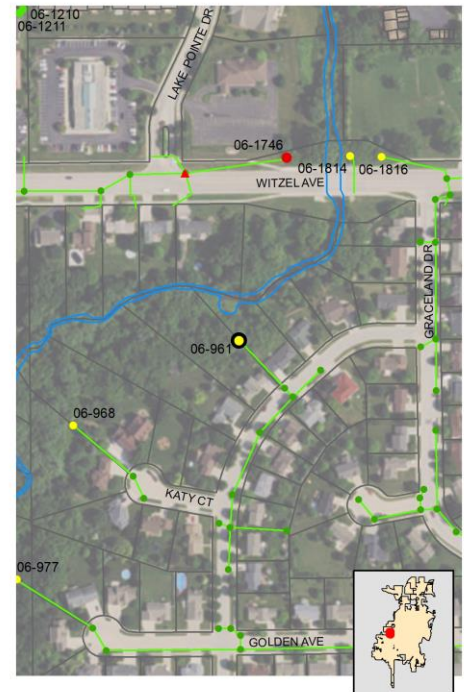


o20171017083658.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,019

Easting: 779,133

Latitude/Longitude:

Latitude: 44.01709

Longitude: -88.59072

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: Minor

Deposition: None Depth (in):

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

o20171017083742.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

Inspection Date: 5/30/2012 12:44:53 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Small pool at end of pipe. No flow at time of inspection.		 o20120530114522.JPG	
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: Minor Deposition: None in. Damage: Minor		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20171017082736.JPG

Outfall Notes:

Storm sewer from Katy Ct discharges to flat wetland area east of stream.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,820

Easting: 778,724

Latitude/Longitude:

Latitude: 44.01654

Longitude: -88.59228

Inspection Date: 10/17/2017 8:32:01 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

Notes: Upstream catchbasin dry - sample collected from submerged pool 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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017082816.JPG

2017

Sampling Results

Sample Location: Pool

Sample ID: 171017-64

Time Collected: 08:30

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm

Ammonia (field): 0 ppm

pH (field): 8.20 units

Temperature (field): 59 °F

Conductivity (field): 797 µS/cm

Detergents: 0 mg/L

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):		
Sampling Results		Notes Outfall dry at time of inspection.		
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		



o20120530113720.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): 42

Height/Depth (in):

Width (in):

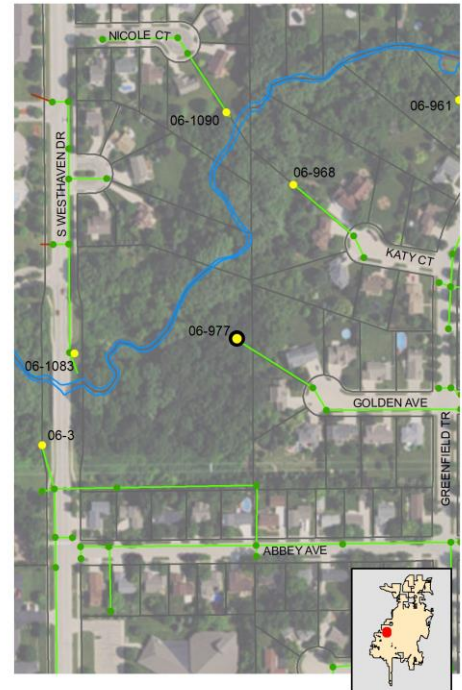


o20171003153118.JPG

Outfall Notes:

Storm sewer from Golden Ave discharges to stream from east.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,446

Easting: 778,578

Latitude/Longitude:

Latitude: 44.01552

Longitude: -88.59283

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171003153144.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

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

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 Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 474,544

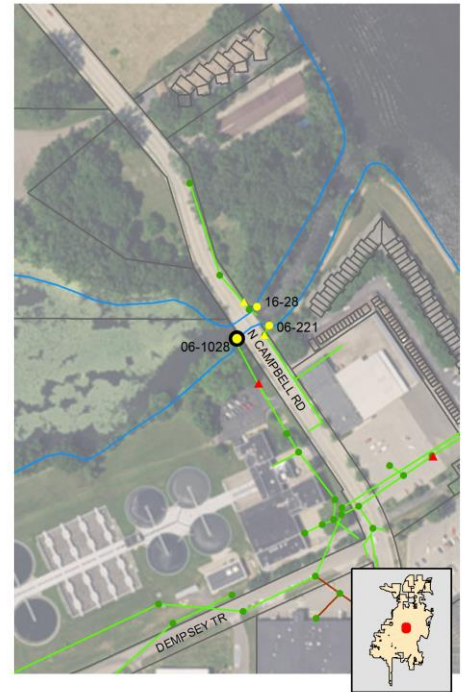
Easting: 787,874

Latitude/Longitude:

Latitude: 44.02130

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018110118.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

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):

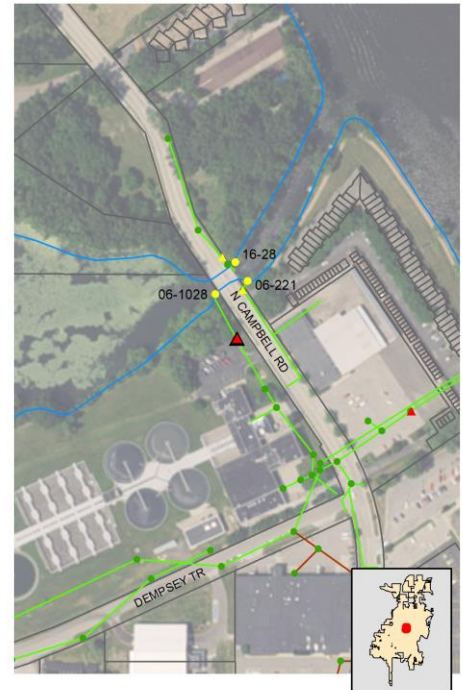
Width (in):



o20171018110456.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

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

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

Illicit Discharge Potential: Unlikely

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☐

Litter

☒

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

Slight

☒

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

Moderate

Depth (in): 5

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



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

Inspection Date: 10/18/2016 1:34:11 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 units Temperature: 68 °F Conductivity: 1432 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161018133224.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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		
Submerged: Fully		Depth (in): 21		
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes 2011 gross solids follow-up. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120620092948.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	

Inspection Date: 8/18/2010 3:07:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 18		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.46 units Temperature: 76 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: Slight	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20100818145848.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 16		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.72 units Temperature: 80 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Slight sulfide odor. Condition Assessment Graffiti: None Erosion: None Deposition: None 3 in. Damage: None	
			 Osh09_DSCN6796.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

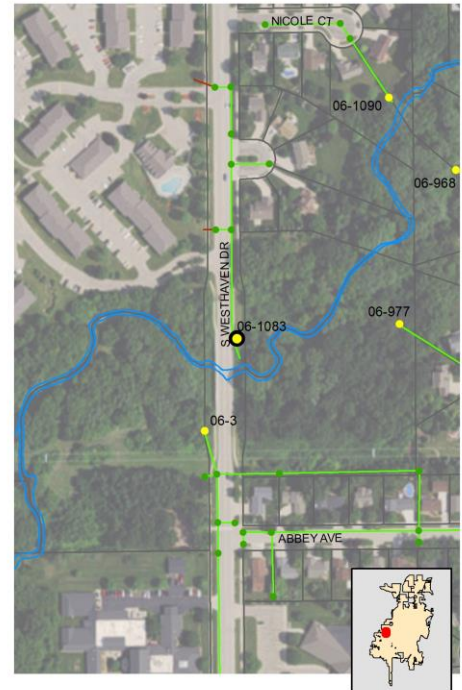


o20171003150220.JPG

Outfall Notes:

Storm sewer from Westhaven Dr discharges to stream from north.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 472,418

Easting: 778,180

Latitude/Longitude:

Latitude: 44.01544

Longitude: -88.59434

Inspection Date: 10/3/2017 3:06:22 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 3

Illicit Discharge Potential: Unlikely

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

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Minor Depth (in): 1

Damage: Minor ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☒ Cracks/Structural Damage



o20171003150230.JPG

2017

Sampling Results

Sample Location: Pool

Sample ID: 171003-37

Time Collected: 15:03

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 7.62 units

Temperature (field): 75 °F

Conductivity (field): 439 µS/cm

Detergents: 0 mg/L

Inspection Date: 6/11/2012 9:05:58 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Damp flowline, but no flow leaving pipe.		 o20120611080832.JPG	
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: Minor		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight 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):



o20171003145410.JPG

Outfall Notes:

Storm sewer from Nicole Ct discharges to stream from west.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,000

Easting: 778,562

Latitude/Longitude:

Latitude: 44.01704

Longitude: -88.59289

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171003145418.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

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):																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Sample Location:</td> <td></td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> </tr> <tr> <td>pH:</td> <td>-- units</td> </tr> <tr> <td>Temperature:</td> <td>-- °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> </tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None </td> <td style="width: 50%;"> None None None None None None Slight None </td> </tr> </table>			Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	None None None None None None Slight 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: Slight Non-illicit: None	None None None None None None Slight None																					
		Notes Apron damp but no flow at time of inspection.																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">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>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None										
Graffiti:	None																					
Erosion:	None																					
Deposition:	None																					
Damage:	None																					



o20120530111508.JPG

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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 470,790

Easting: 776,481

Latitude/Longitude:

Latitude: 44.01097

Longitude: -88.60079

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

o20171017075656.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

Inspection Date: 6/11/2012 10:22:55 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Gravel deposit at end of apron. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor	 o20120611092654.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>

Inspection Date: 9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 Osh09_DSCN6457.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171017080050.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 470,793

Easting: 776,523

Latitude/Longitude:

Latitude: 44.01098

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.

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

Turbidity: None

Color: None

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

o20171017080100.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: 6/11/2012 10:29:34 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially Depth (in): 10				
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	Notes Gravel deposition on apron. Outfall partially submerged. Outfall screened upstream at 06-1136 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 4 in. Damage: None		
			 o20120611093052.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially Depth (in): 11				
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: Faint Turbidity: Cloudy Color: None Gross Solids: None Vegetation: _____ Benthic Growth: Slight Stains: _____ Non-illicit: None	Notes 	
		Condition Assessment Graffiti: None Erosion: None Deposition: 1 in. Damage: None		
			 Osh09_DSCN6460.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1136

Dimensions

Diameter (in):

Height/Depth (in):

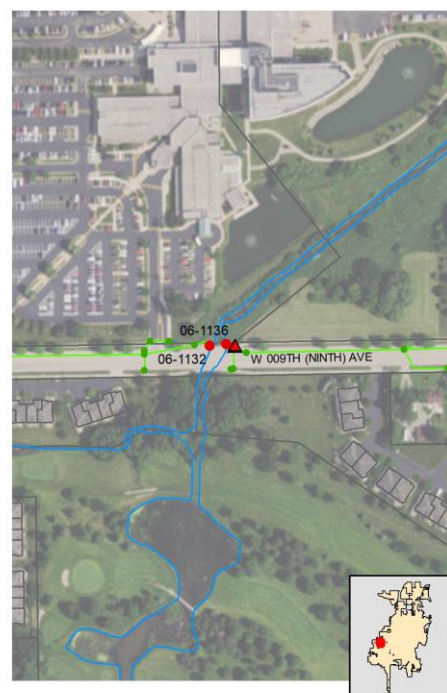
Width (in):



o20171017080632.JPG

Outfall Notes:

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



Mapping Precison:

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.

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: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017080640.JPG

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

Inspection Date: 6/11/2012 10:33:33 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 12																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.59 units</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1490 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.59 units	Temperature:	73 °F	Conductivity:	1490 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>Slight cloudiness</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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																																					
		Notes <div style="border: 1px solid black; height: 80px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20120611093616.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																			

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 10																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> </tr> <tr> <td>pH:</td> <td>8.12 units</td> </tr> <tr> <td>Temperature:</td> <td>71 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	8.12 units	Temperature:	71 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td></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:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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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																																					
		Notes <div style="border: 1px solid black; height: 80px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 Osh09_DSCN6463.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>																																			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

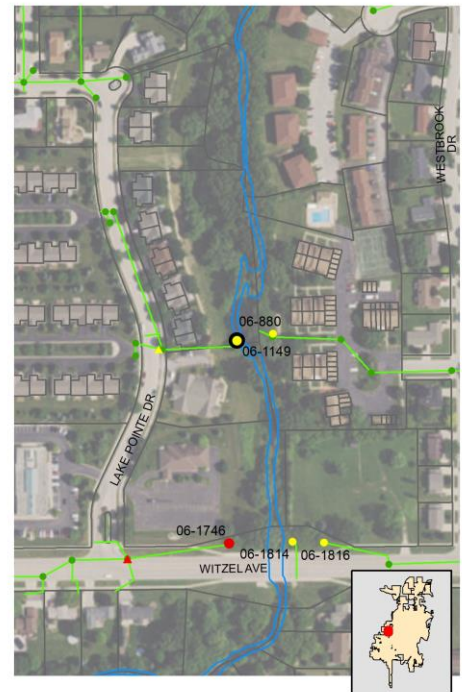


o20171003130308.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,959

Easting: 779,287

Latitude/Longitude:

Latitude: 44.01967

Longitude: -88.59014

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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

Slight

☒

Green

☐

Brown

Stains:

Slight

☒

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171003130330.JPG

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

Inspection Date: 5/30/2012 8:46:17 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 06-1149 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		



o20120530074728.JPG

2012

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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,839

Easting: 778,619

Latitude/Longitude:

Latitude: 44.01934

Longitude: -88.59268

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

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

o20171003124848.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

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):

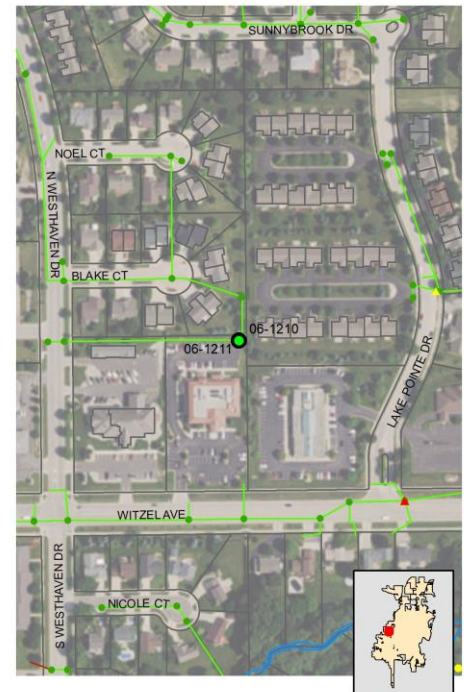


o20171003124916.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,829

Easting: 778,610

Latitude/Longitude:

Latitude: 44.01931

Longitude: -88.59271

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

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

o20171003124926.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

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.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing:

Easting:

Latitude/Longitude:

Latitude:

Longitude:

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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171017093916.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

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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing:

Easting:

Latitude/Longitude:

Latitude:

Longitude:

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017094224.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

Non-Priority Non-Major Outfall

Structure Type:

Other

Discharge Location:

Adjacent Municipality

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 36

Height/Depth (in):

Width (in):



o20171017094750.JPG

Outfall Notes:

Swale on west side of Washburn St discharges into 36" RCP that leads into I-41 storm sewer. Outfall is upstream end of pipe.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing:

Easting:

Latitude/Longitude:

Latitude:

Longitude:

Location Map



Inspection Date: 10/17/2017 9:49:57 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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017094802.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

Non-Priority Non-Major Outfall

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171017072626.JPG

Outfall Notes:

Rip-rap channel from Oakwood Rd discharges into detention basin. Upstream dimensions recorded.

County Coordinates:

Northing: 472,044

Easting: 776,934

Latitude/Longitude:

Latitude: 44.01441

Longitude: -88.59908

Location Map



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):

Notes: Water level extends farther up riprap than normal, but no observed flow at time of inspection.

Illicit Discharge Potential: Unlikely

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

Slight

☒

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171017072634.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

Inspection Date: 6/11/2012 9:57:16 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: Moderate	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None	 o20120611085940.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>

Inspection Date: 9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None	 Osh09_DSCN6470.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171003121708.JPG

Outfall Notes:

Storm sewer from Wyldewood Dr discharges to detention basin from west.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,122

Easting: 776,823

Latitude/Longitude:

Latitude: 44.02011

Longitude: -88.59951

Inspection Date: 10/3/2017 12:19:40 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 22

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 06-1495 US1. Apron clamp missing.

 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: Minor
 ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☒ Cracks/Structural Damage


o20171003121718.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

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		
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:	Slight	
		Non-illicit:	None	
		Notes Outfall partially submerged; screened upstream at 06-1495 US1.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 <p>o20120612070614.JPG</p> <p>2012</p>		

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1495

Dimensions

Diameter (in):

Height/Depth (in):

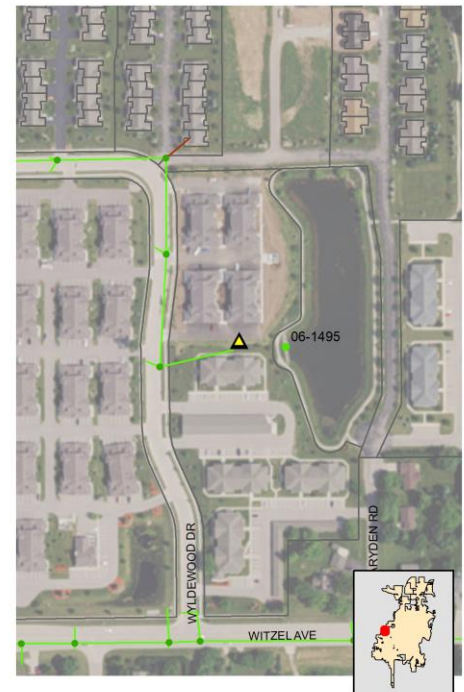
Width (in):



o20171003122146.JPG

Outfall Notes:

Upstream catchbasin located approx 116 ft W of outfall 06-1495. Intermediate area consists of multifamily residential property.



Mapping Precison:

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171003122158.JPG

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																																				
Sampling Results <table border="1"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.32 units</td> </tr> <tr> <td>Temperature:</td> <td>68 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1263 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:	7.32 units	Temperature:	68 °F	Conductivity:	1263 µS/cm	Detergents:	0 mg/L	<table border="1"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>Slight</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	Slight
Sample Location:	Pool																																					
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Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	Slight																																					
		Notes <div style="border: 1px solid black; height: 80px;"></div>																																				
		Condition Assessment <table border="1"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					



o20120612071218.JPG

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171017081712.JPG

Outfall Notes:

Twin 29x45 culverts discharge to channel on east side of Kirkwood Dr.

County Coordinates:

Northing: 472,178

Easting: 775,496

Latitude/Longitude:

Latitude: 44.01477

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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

None

☐ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

Moderate

Depth (in): 6

Damage:

None

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

o20171017081720.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

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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,464

Easting: 779,259

Latitude/Longitude:

Latitude: 44.01831

Longitude: -88.59025

Inspection Date: 10/3/2017 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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171003132032.JPG

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

Inspection Date: 5/30/2012 9:14:05 AM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 06-1746 US1.	 o20120530081528.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2012</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/3/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Wet, no flow.	 Osh09_DSCN6473.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2009</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

06-1746

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171003132822.JPG

Outfall Notes:

Upstream manhole located approx 237 ft W of outfall 16-1746. Intermediate area consists of street right-of-way.

Location Map**Mapping Precison:**

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



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

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):

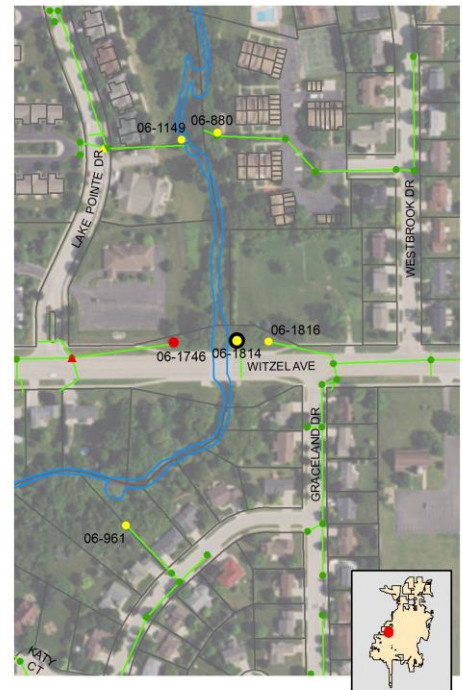


o20171003142730.JPG

Outfall Notes:

Curb inlets from Witzel Ave bridge discharge to stream from east via 25 ft riprap swale.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 473,466

Easting: 779,414

Latitude/Longitude:

Latitude: 44.01832

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171003142738.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

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.		 o20120530080858.JPG	
Submerged: None		Depth (in):					
Sampling Results		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 Damage: Minor		in.	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L							

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): 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 Precison:

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: None

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

Odor: None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: Moderate

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


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

Inspection Date: 5/30/2012 9:22:04 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Minor garbage in downstream channel - potentially from storm sewer.		 o20120530082212.JPG	
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None					

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 27

Width (in): 43

Mapping Precison:

Mapping GPS

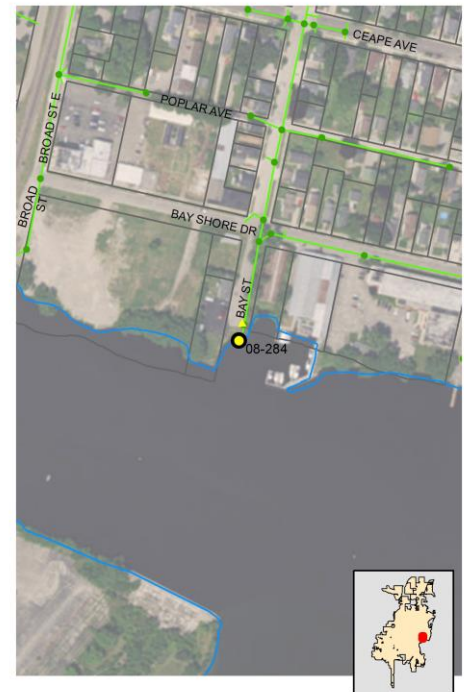
☐ Not Physically Located

o20171017135258.JPG

Outfall Notes:

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

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.

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





o20171017135302.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

Inspection Date: 10/10/2016 10:18:48 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010101832.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/22/2015 10:04:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 30		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall fully submerged - screened at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922090932.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/9/2014 11:24:44 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 29		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged - screened upstream at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: Minor	
			 o20141009102400.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 10/11/2011 8:37:04 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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	Notes 2010 screening follow-up. Outfall fully submerged. Outfall screened upstream at 08-284 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111011083728.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

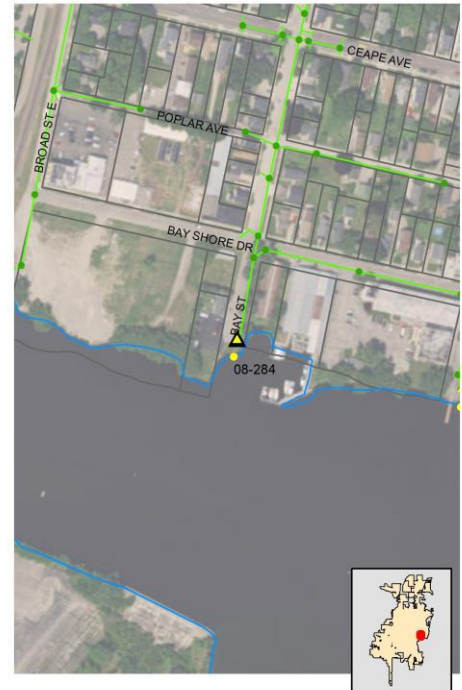
Inspection Date: 8/17/2010 9:35:00 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 08-284 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine:	-- ppm	Turbidity:	Graffiti: None	
Free Chlorine:	-- ppm	Color:	Erosion: None	
Ammonia:	-- ppm	Gross Solids:	Deposition: None 0 in.	
pH:	-- units	Vegetation:	Damage: None	
Temperature:	-- °F	Benthic Growth:		
Conductivity:	-- µS/cm	Stains:		
Detergents:	-- mg/L	Non-illicit:		



o20100817093554.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:

08-284

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017135512.JPG

Outfall Notes:

Upstream manhole located approx 26 ft N of outfall 08-284. Intermediate area consists of street right-of-way and open space.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 471,067

Easting: 794,833

Latitude/Longitude:

Latitude: 44.01177

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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

None

☐ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171017135518.JPG

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		
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	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010101916.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/22/2015 10:09:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 34		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922091040.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	


Inspection Date: 10/9/2014 11:28:19 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 29		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009102622.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 10/11/2011 8:41:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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	Notes 2010 screening follow-up. Floatable debris significantly reduced. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111011084038.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Inspection Date: 5/26/2011 11:01:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results		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	
Submerged: Fully		Depth (in): 31	Significant floatable debris in manhole.	
Sampling Results		Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Sample Location: Pool		Odor:		
Total Chlorine: 0 ppm		Turbidity:		
Free Chlorine: 0 ppm		Color:		
Ammonia: 0 ppm		Gross Solids: Severe		
pH: 7.64 units		Vegetation:		
Temperature 74 °F		Benthic Growth:		
Conductivity: -- µS/cm		Stains:		
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.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 471,171

Easting: 794,227

Latitude/Longitude:

Latitude: 44.01205

Longitude: -88.53335

Inspection Date: 10/17/2017 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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017140150.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

Inspection Date: 10/10/2016 10:13:44 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 08-347 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010101244.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/22/2015 10:41:14 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 08-347 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922094458.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/9/2014 11:13:09 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 08-347 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009101330.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 10/11/2011 8:48:34 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111011084904.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Inspection Date: 8/17/2010 10:13:00 AM		Type: Ongoing		Flow: Submerged (not located)		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p>o20100817100702.JPG</p> <p>2010</p>	
Submerged: Fully		Depth (in):		Outfall fully submerged and not physically located. Outfall screened upstream at 08-347 US1.			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None			

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 Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,232

Easting: 794,245

Latitude/Longitude:

Latitude: 44.01222

Longitude: -88.53328

Inspection Date: 10/17/2017 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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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

Inspection Date: 10/18/2016 5:02:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Partially Depth (in): 46		Inspector: JCW	Notes: Potential illicit discharge due to gross solids.	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.18 units Temperature: 66 °F Conductivity: 361 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	
			 o20161018170248.JPG 2016	
Inspection Date: 9/22/2015 10:46:05 AM Illicit Discharge Potential: Potential Submerged: Fully Depth (in): 48		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Inspector: JCW Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.33 units Temperature: 73 °F Conductivity: 352 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes: Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922094746.JPG 2015	
Inspection Date: 10/9/2014 11:17:38 AM Illicit Discharge Potential: Potential Submerged: Fully Depth (in): 43		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Inspector: JCW Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.67 units Temperature: 59 °F Conductivity: 422 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	
			 o20141009101552.JPG 2014	
Inspection Date: 10/11/2011 8:51:38 AM Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in): 43		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Inspector: JCW Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.87 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: Slight 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	
			 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:	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		Odor: Turbidity: Color: Gross Solids: Slight Vegetation: Benthic Growth: 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:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.71 units Temperature: 74 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None 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):

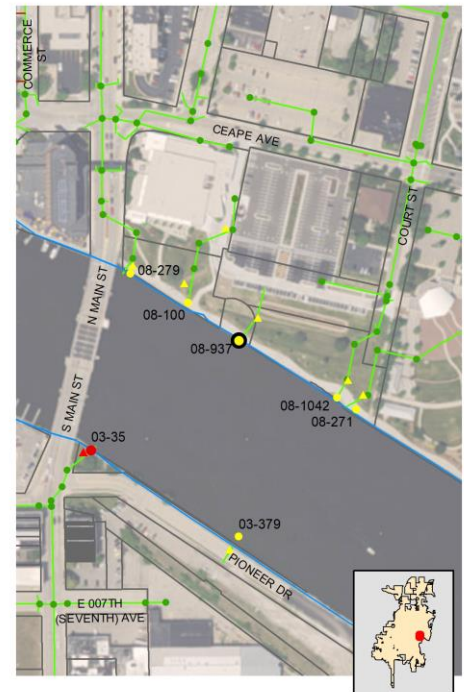


o20171017141254.JPG

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.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 471,674

Easting: 793,433

Latitude/Longitude:

Latitude: 44.01343

Longitude: -88.53636

Inspection Date: 10/17/2017 2:14:40 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

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

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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

Inspection Date: 10/10/2016 10:03:18 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall not located and assumed fully submerged - screened upstream at 08-937 US1.	 o20161010100214.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/22/2015 12:11:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall under walkway and not located - screened at 08-937 US1.	 o20150922111358.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

08-937

Dimensions

Diameter (in):

Height/Depth (in):

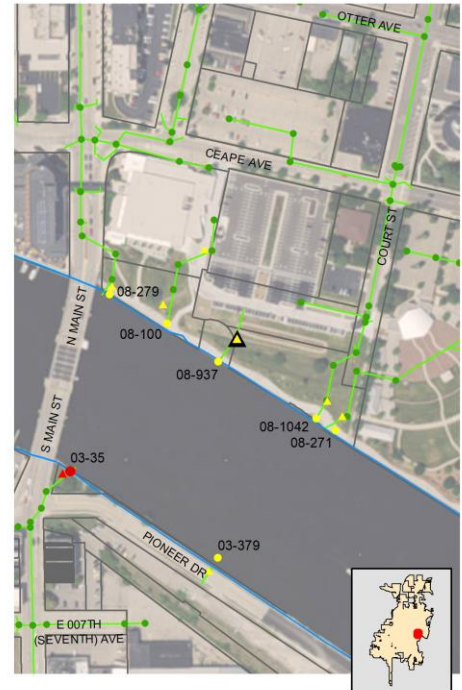
Width (in):



o20171017141420.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 471,729

Easting: 793,480

Latitude/Longitude:

Latitude: 44.01358

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.

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



o20171017141426.JPG

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																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>1 ppm</td> </tr> <tr> <td>pH:</td> <td>6.94 units</td> </tr> <tr> <td>Temperature:</td> <td>64 °F</td> </tr> <tr> <td>Conductivity:</td> <td>752 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	6.94 units	Temperature:	64 °F	Conductivity:	752 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>Slight</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Clearly visible in flow</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>Moderate</td> </tr> </table>			Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	Clearly visible in flow	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	Moderate
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Stains:	Slight																																					
Non-illicit:	Moderate																																					
		Notes <div style="border: 1px solid black; height: 60px;"></div>		 o20161010100336.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/22/2015 12:16:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 16																																				
Sampling Results <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>7.48 units</td> </tr> <tr> <td>Temperature:</td> <td>75 °F</td> </tr> <tr> <td>Conductivity:</td> <td>499 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.48 units	Temperature:	75 °F	Conductivity:	499 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	Moderate	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
Sample Location:	Pool																																					
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Notes Cloudy sheen - did not appear to be typical bacterial sheen.		 o20150922111710.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Vitrified Clay

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):

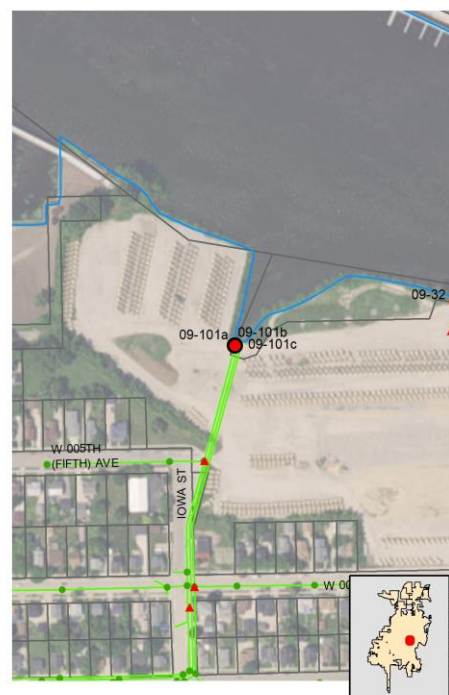


Osh09_DSCN6774.JPG

Outfall Notes:

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

Location Map



Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 471,884

Easting: 790,634

Latitude/Longitude:

Latitude: 44.01400

Longitude: -88.54700

Inspection Date: 10/18/2017 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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018152942.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

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	Notes																									
Submerged: Fully	Depth (in):	Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.																									
Sampling Results	<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment							
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Temperature:	-- ° F																										
Conductivity:	-- µS/cm																										
Detergents:	-- mg/L																										
Graffiti:	None																										
Erosion:	None																										
Deposition:	None in.																										
Damage:	None																										

Outfall Not Located

Photo Not Available

2016


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	Notes																									
Submerged: Fully	Depth (in):	Outfall located behind secured fence and not located during this screening - screened at 09-101a US1.																									
Sampling Results	<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment							
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pH:	-- units																										
Temperature:	-- ° F																										
Conductivity:	-- µS/cm																										
Detergents:	-- mg/L																										
Graffiti:	None																										
Erosion:	None																										
Deposition:	None in.																										
Damage:	None																										

Outfall Not Located

Photo Not Available

2015


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	Notes																									
Submerged: Partially	Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 09-101a US1.																									
Sampling Results	<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment							
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Conductivity:	-- µS/cm																										
Detergents:	-- mg/L																										
Graffiti:	None																										
Erosion:	None																										
Deposition:	None 0 in.																										
Damage:	None																										



08.18.2010 10:47
o20100818104726.JPG

2010

Inspection Date: 9/10/2009	Type: Initial	Flow:	Previous Rainfall (hrs): 72+																								
Illicit Discharge Potential: Unlikely	Inspector: JCW	Notes																									
Submerged: Partially	Depth (in):																										
Sampling Results	<table border="1"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Condition Assessment							
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pH:	-- units																										
Temperature:	-- ° F																										
Conductivity:	-- µS/cm																										
Detergents:	-- mg/L																										
Graffiti:	None																										
Erosion:	None																										
Deposition:	None 0 in.																										
Damage:	None																										



09.10.2009 10:46
Osh09_DSCN6774.JPG

2009

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

09-29

Dimensions

Diameter (in):

Height/Depth (in):

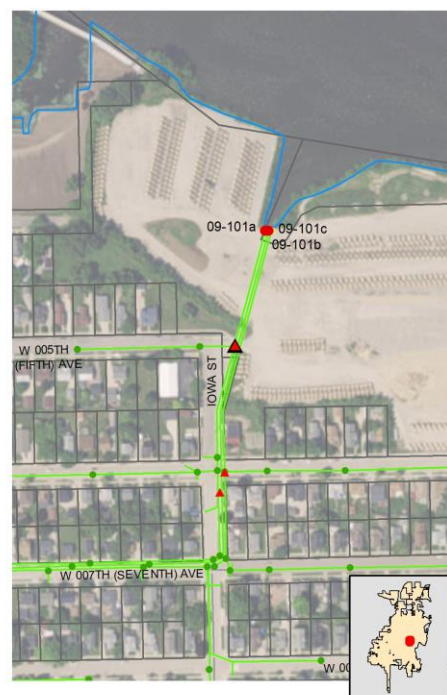
Width (in):



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 Precison:

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

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: Faint

Turbidity: Slight cloudiness

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

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

☒ Litter ☐ Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20171018153026.JPG

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.93 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>1231 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.93 units	Temperature:	67 °F	Conductivity:	1231 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>Cloudy</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	Cloudy	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Benthic Growth:	None																																					
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Graffiti:	None																																					
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Deposition:	None in.																																					
Damage:	None																																					
			 o20161018161534.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 9/23/2015 8:04:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 24																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.93 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>1112 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.93 units	Temperature:	70 °F	Conductivity:	1112 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>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	Slight cloudiness	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20150923070520.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

Inspection Date: 8/18/2010 10:47:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 24																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.65 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.65 units	Temperature:	76 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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Odor:	None																																					
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Damage:	None																																					
			 o20100818103836.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Inspection Date: 9/10/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 22																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>8.19 units</td></tr> <tr><td>Temperature:</td><td>74 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	-- ppm	pH:	8.19 units	Temperature:	74 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Graffiti:	None																																					
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Deposition:	None 0 in.																																					
Damage:	None																																					
			 Osh09_DSCN6777.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

Cast Iron

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



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:

☒ Not Physically Located

County Coordinates:

Northing: 478,060

Easting: 797,503

Latitude/Longitude:

Latitude: 44.03095

Longitude: -88.52090

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017130204.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


Inspection Date: 10/19/2016 7:43:58 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 11-376 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019074246.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 9:06:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: Moderate	Notes Outfall fully submerged and not located - screened at 11-376 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924081044.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 1:35:21 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 11-376 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009123438.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/4/2011 9:20:16 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 11-376 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111004092048.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

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: 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	
 o20110510122252.JPG 2011				

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

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - brick

City ID:

11-376

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017130248.JPG

Outfall Notes:

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

Location Map**Mapping Precison:**

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.

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

o20171017130258.JPG

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

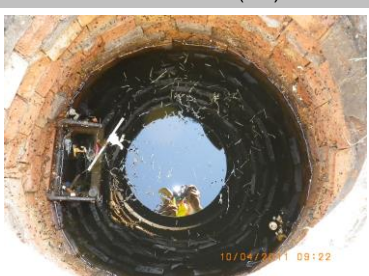
Conductivity (field): 829 µS/cm


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		
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	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019074410.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/24/2015 9:10:22 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 81		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924081150.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/9/2014 1:36:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 74		
Sampling Results 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	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009123616.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 10/4/2011 9:23:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111004092208.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

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):	 o20110510122336.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2011</div>		
Sampling Results		Floatables:			None
Sample Location:		Odor:			
Total Chlorine: -- ppm		Turbidity:			
Free Chlorine: -- ppm		Color:			
Ammonia: -- ppm		Gross Solids:			Severe
pH: -- units		Vegetation:			
Temperature -- °F		Benthic Growth:			
Conductivity: -- µS/cm		Stains:			
Detergents: -- mg/L		Non-illicit:			None
Condition Assessment			Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

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	 Osh09_DSCN6622.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2009</div>		
Sampling Results		Floatables:			None
Sample Location: Pool		Odor:			
Total Chlorine: 0 ppm		Turbidity:			
Free Chlorine: 0 ppm		Color:			
Ammonia: -- ppm		Gross Solids:			Severe
pH: 7.82 units		Vegetation:			
Temperature 76 °F		Benthic Growth:			
Conductivity: -- µS/cm		Stains:			
Detergents: 0 mg/L		Non-illicit:			None
Condition Assessment			Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Arch

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 35

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

o20171017131902.JPG

Outfall Notes:

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

County Coordinates:

Northing: 473,370

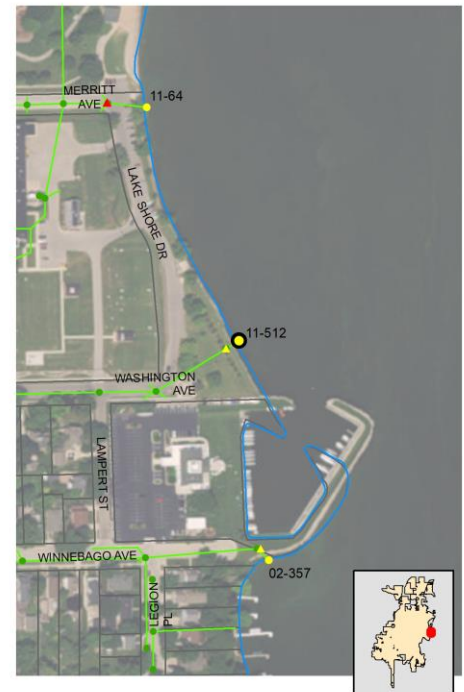
Easting: 798,806

Latitude/Longitude:

Latitude: 44.01809

Longitude: -88.51594

Location Map



Inspection Date: 10/17/2017 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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171017131910.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


Inspection Date: 10/10/2016 11:04:16 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 11-512 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010110406.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/22/2015 7:03:32 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 11-512 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922060708.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/9/2014 12:48:49 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 11-512 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009114820.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

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: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged; screened upstream at 11-512 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120927072324.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2012</div>	


Inspection Date: 6/20/2012 8:23:31 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Gross solids pre-screening	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- ° F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20120620072350.JPG

2012


Inspection Date: 10/3/2011 12:09:11 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- ° F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	None		
Detergents: -- mg/L	Stains:	None		
	Non-illicit:	None		



o20111003121010.JPG

2011

Inspection Date: 5/10/2011 9:08:00 AM		Type: Other	Flow: Submerged (not located)	Previous Rainfall (hrs): 0-24
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Outfall fully submerged and not physically located. Outfall screened upstream at 11-512 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:		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		



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 Precison:

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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171017131930.JPG

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


Inspection Date: 10/10/2016 11:07:16 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 35		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.63 units Temperature: 65 °F Conductivity: 514 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Severe Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Potential illicit discharge due to gross solids. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010110444.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/22/2015 7:04:46 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 37		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.93 units Temperature: 65 °F Conductivity: 1055 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150922060832.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/9/2014 12:52:08 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 39		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.57 units Temperature: 62 °F Conductivity: 548 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Floating gross solids (litter) in manhole. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141009115024.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

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		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.73 units Temperature: 59 °F Conductivity: 416 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	Notes 2011 gross solids follow-up. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120927072438.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	


Inspection Date: 6/20/2012 8:24:06 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in): 40			Gross solids pre-screening.	
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	Notes	
Submerged: Fully Depth (in): 36			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	Notes	
Submerged: Fully Depth (in):			Limited screening conducted for upstream manhole prescreening.	
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	Severe		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
			Condition Assessment	
			Graffiti:	None
			Erosion:	None
			Deposition:	None 0 in.
			Damage:	None



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:

Northing: 479,314

Easting: 786,529

Latitude/Longitude:

Latitude: 44.03438

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: Color:
 Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

 Vegetation: ☐ Inhibited ☐ Excessive

 Benthic Growth: ☐ Green ☐ Brown

 Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti: Minor

Erosion: None

Deposition: None Depth (in):

 Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20171018101412.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

Inspection Date: 10/10/2016 1:26:15 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Graffiti on east bridge abutment. Outfall fully submerged and not located - screened upstream at 12-569 US1. Condition Assessment Graffiti: Minor Erosion: None Deposition: None in. Damage: None	
			 o20161010132600.JPG 2016	

Inspection Date: 9/23/2015 11:06:02 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 12-569 US1. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None in. Damage: None	
			 o20150923100828.JPG 2015	

Inspection Date: 10/7/2014 7:38:26 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 12-569 US1. Graffiti on east abutment. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None in. Damage: None	
			 o20141007063712.JPG 2014	

Inspection Date: 10/11/2011 1:49:07 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 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	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 12-569 US1.	
Sampling Results		Floatables:	Condition Assessment	
Sample Location:		Odor:		
Total Chlorine:	-- ppm	Turbidity:	Graffiti: None	
Free Chlorine:	-- ppm	Color:	Erosion: None	
Ammonia:	-- ppm	Gross Solids:	Deposition: None 0 in.	
pH:	-- units	Vegetation:	Damage: None	
Temperature	-- °F	Benthic Growth:		
Conductivity:	-- µS/cm	Stains:		
Detergents:	-- mg/L	Non-illicit:		



o20100819143022.JPG

2010

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

12-569

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018101530.JPG

Outfall Notes:

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

Mapping Precison:

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

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

Illicit Discharge Potential: Potential

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: Moderate

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018101542.JPG

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

Inspection Date: 10/10/2016 1:30:04 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Fully Depth (in): 38		Inspector: JCW	Notes Potential illicit discharge due to gross solids.	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.41 units Temperature: 69 °F Conductivity: 616 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: Clearly visible in bottl Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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 Submerged: Fully Depth (in): 40		Inspector: JCW	Notes Floating gross solids (litter) in manhole.	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.5 units Temperature: 76 °F Conductivity: 441 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: 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 Submerged: Fully Depth (in): 34		Inspector: JCW	Notes Floating gross solids (litter) in manhole.	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.66 units Temperature: 59 °F Conductivity: 771 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	
			 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 Submerged: Fully Depth (in): 32		Inspector: JCW	Notes 2010 screening follow-up. Floatable debris significantly reduced.	
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.63 units Temperature: 73 °F Conductivity: -- µS/cm 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	
			 o20111011134946.JPG 2011	


Inspection Date: 5/26/2011 2:40:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results				
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:			
Free Chlorine: -- ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: -- mg/L	Stains:			
	Non-illicit:	None		
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	0 in.
		Damage:	None	



o20110526144100.JPG

2011

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



o20100819143434.JPG

2010

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72

Mapping Precison:

Desktop mapping estimate

☒ Not Physically Located

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



County Coordinates:

Northing: 481,155

Easting: 785,844

Latitude/Longitude:

Latitude: 44.03942

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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018100254.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

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened upstream at 12-576 US1.	
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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):																																				
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Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
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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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not located - screened upstream at 12-576 US1.	
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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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 12-576 US1.	
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
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Gross Solids:	None																																					
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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		Notes		 <p>Osh09_DSCN6673.JPG</p>	
Submerged: Fully		Depth (in):					
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		<p>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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 481,123

Easting: 785,916

Latitude/Longitude:

Latitude: 44.03934

Longitude: -88.56496

Inspection Date: 10/18/2017 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:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

Slight

☒

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



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

Inspection Date: 10/10/2016 1:17:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 69																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.67 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>496 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:	7.67 units	Temperature:	67 °F	Conductivity:	496 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None	Notes 	 o20161010131500.JPG 2016
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																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/23/2015 3:14:15 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 70																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.45 units</td></tr> <tr><td>Temperature:</td><td>75 °F</td></tr> <tr><td>Conductivity:</td><td>361 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.45 units	Temperature:	75 °F	Conductivity:	361 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	Notes 	 o20150923141608.JPG 2015
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																																					
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Benthic Growth:	Slight																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 10/9/2014 7:46:02 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 66																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.38 units</td></tr> <tr><td>Temperature:</td><td>53 °F</td></tr> <tr><td>Conductivity:</td><td>663 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:	7.38 units	Temperature:	53 °F	Conductivity:	663 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>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:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None	Notes Floating gross solids (litter) inside manhole.	 o20141009064434.JPG 2014
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

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																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.85 units</td></tr> <tr><td>Temperature:</td><td>76 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.85 units	Temperature:	76 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None	Notes 	 o20100819134200.JPG 2010
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.85 units																																					
Temperature:	76 °F																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					

Inspection Date: 9/9/2009		Type: Initial		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes Abnormal detergent analysis result (bubbles). Significant floatables (bottles) in manhole.			
Submerged: Fully		Depth (in): 68					
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 8.46 units Temperature: 69 °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		Condition Assessment Graffiti: None Erosion: None Deposition: None Damage: None		0 in.	

Osh09_DSCN6675.JPG

2009

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

PVC

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):



o20171018094806.JPG

Outfall Notes:

Storm sewer from Algoma Blvd and cemetery discharges to river from east.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,806

Easting: 784,550

Latitude/Longitude:

Latitude: 44.04669

Longitude: -88.57017

Inspection Date: 10/18/2017 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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018094812.JPG

2017

Sampling Results

Sample Location:

Sample ID:

Time Collected:

Total Chlorine (field): -- ppm

Free Chlorine (field): -- ppm



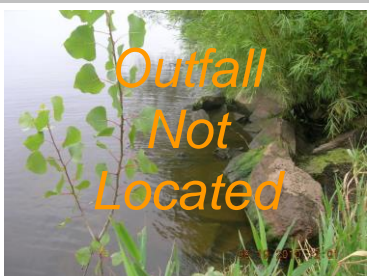
Ammonia (field): -- ppm

pH (field): -- units

Temperature (field): -- °F

Conductivity (field): -- µS/cm

Detergents: -- mg/L

Inspection Date: 10/10/2016 12:50:26 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Unlikely Submerged: Partially Depth (in): 17		Inspector: JCW	Notes	 o20161010124844.JPG 2016																																			
Sampling Results <table border="1"> <tr><td>Sample Location:</td><td></td><td>Floatables:</td><td>None</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td><td>Odor:</td><td>None</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td><td>Turbidity:</td><td>None</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td><td>Color:</td><td>None</td></tr> <tr><td>pH:</td><td>-- units</td><td>Gross Solids:</td><td>None</td></tr> <tr><td>Temperature:</td><td>-- ° F</td><td>Vegetation:</td><td>None</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td><td>Benthic Growth:</td><td>Severe</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td><td>Stains:</td><td>None</td></tr> <tr><td></td><td></td><td>Non-illicit:</td><td>None</td></tr> </table>		Sample Location:			Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- ° F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	Severe	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:	Severe																																				
Detergents:	-- mg/L	Stains:	None																																				
		Non-illicit:	None																																				
Inspection Date: 9/23/2015 2:02:54 PM Submerged: Fully Depth (in):		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20150923130558.JPG 2015																																			
Sampling Results <table border="1"> <tr><td>Sample Location:</td><td></td><td>Floatables:</td><td>None</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td><td>Odor:</td><td>None</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td><td>Turbidity:</td><td>None</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td><td>Color:</td><td>None</td></tr> <tr><td>pH:</td><td>-- units</td><td>Gross Solids:</td><td>None</td></tr> <tr><td>Temperature:</td><td>-- ° F</td><td>Vegetation:</td><td>None</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td><td>Stains:</td><td>None</td></tr> <tr><td></td><td></td><td>Non-illicit:</td><td>None</td></tr> </table>		Sample Location:			Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- ° F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None	
Sample Location:		Floatables:	None																																				
Total Chlorine:	-- ppm	Odor:	None																																				
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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 Submerged: Fully Depth (in):		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																			
Illicit Discharge Potential: Unlikely Submerged: Fully Depth (in):		Inspector: JCW	Notes	 o20100819120152.JPG 2010																																			
Sampling Results <table border="1"> <tr><td>Sample Location:</td><td></td><td>Floatables:</td><td>None</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td><td>Odor:</td><td>None</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td><td>Turbidity:</td><td>None</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td><td>Color:</td><td>None</td></tr> <tr><td>pH:</td><td>-- units</td><td>Gross Solids:</td><td>None</td></tr> <tr><td>Temperature:</td><td>-- ° F</td><td>Vegetation:</td><td>None</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td><td>Stains:</td><td>None</td></tr> <tr><td></td><td></td><td>Non-illicit:</td><td>None</td></tr> </table>		Sample Location:			Floatables:	None	Total Chlorine:	-- ppm	Odor:	None	Free Chlorine:	-- ppm	Turbidity:	None	Ammonia:	-- ppm	Color:	None	pH:	-- units	Gross Solids:	None	Temperature:	-- ° F	Vegetation:	None	Conductivity:	-- µS/cm	Benthic Growth:	None	Detergents:	-- mg/L	Stains:	None			Non-illicit:	None	
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Ammonia:	-- ppm	Color:	None																																				
pH:	-- units	Gross Solids:	None																																				
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Conductivity:	-- µS/cm	Benthic Growth:	None																																				
Detergents:	-- mg/L	Stains:	None																																				
		Non-illicit:	None																																				

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 483,924

Easting: 784,749

Latitude/Longitude:

Latitude: 44.04702

Longitude: -88.56941

Inspection Date: 10/18/2017 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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☒ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171018095044.JPG

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

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 Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.42 units Temperature: 67 °F Conductivity: 759 µS/cm Detergents: 0 mg/L		Floatables: None Odor: Faint Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010125134.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 2:07:15 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 16		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.8 units Temperature: 76 °F Conductivity: 413 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923130846.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 8/19/2010 12:12:14 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 15		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 units Temperature: 78 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20100819120420.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



o20171018093112.JPG

Outfall Notes:

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

Location Map



Mapping Precison:

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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☒

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018093128.JPG

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

Inspection Date: 10/10/2016 12:26:38 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results 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	Notes Elevated pH, but not as high as 2015 screening. Possible residual in upstream pipe. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010122036.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/23/2015 12:56:15 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results 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	Notes White silty discharge. Chlorine patches turned yellow (not on scale). Elevated pH and conductivity. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923115508.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20161019150316.JPG

Outfall Notes:

Storm sewer discharges to channel from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 463,926

Easting: 778,351

Latitude/Longitude:

Latitude: 43.99214

Longitude: -88.59366

Inspection Date: 10/19/2017 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: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 16

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

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

Inspection Date: 10/19/2016 3:04:11 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 22																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall partially submerged - screened upstream at 13-1098 US1. End of pipe recently excavated.	 o20161019150326.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Severe 16 in.																																					
Damage:	None																																					

Inspection Date: 9/24/2015 3:10:53 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
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Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
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Floatables:	None																																					
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Color:	None																																					
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Vegetation:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 7/30/2013 7:57:44 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Pipe not located in grassy stream bank. Screened upstream at 13-1098 US1.	 o20130730070410.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 23																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	Notes 	 Osh09_DSCN6427.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
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Stains:																																						
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>18 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	18 in.	Damage:	None	2009																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	18 in.																																					
Damage:	None																																					

Location Map

Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20161019150604.JPG

Outfall Notes:

Upstream inlet located approx 103 ft S of outfall 13-1098. Intermediate area consists of driveway to industrial property.



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 463,823

Easting: 778,349

Latitude/Longitude:

Latitude: 43.99186

Longitude: -88.59366

Inspection Date: 10/19/2016 3:08:52 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Notes:

Submerged: Partially

Depth (in): 16

Illicit Discharge Potential: Unlikely

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation:

None

☐ Inhibited☐ Excessive

Benthic Growth:

None

☐ Green☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None

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

o20161019150612.JPG

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		
Submerged: Partially		Depth (in): 20		
Sampling Results		Notes Trash around inlet grate, but none in storm sewer.		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.1 units	Gross Solids: Slight			
Temperature 70 °F	Vegetation: None			
Conductivity: 1386 µS/cm	Benthic Growth: Slight			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20150924141732.JPG

2015

Inspection Date: 7/30/2013 8:33:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results		Notes		
Sample Location: Pool	Floatables: None	Condition Assessment Graffiti: None Erosion: None Deposition: Minor 2 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 7.4 units	Gross Solids: Slight			
Temperature 65 °F	Vegetation: None			
Conductivity: 1654 µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: None			
	Non-illicit: None			



o20130730073636.JPG

2013

Inspection Date: 9/3/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 13		
Sampling Results		Notes		
Sample Location: Pool	Floatables:	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor:			
Free Chlorine: 0 ppm	Turbidity:			
Ammonia: -- ppm	Color:			
pH: 7.09 units	Gross Solids:			
Temperature 70 °F	Vegetation:			
Conductivity: -- µS/cm	Benthic Growth:			
Detergents: 0 mg/L	Stains:			
	Non-illicit: None			



Osh09_DSCN6853.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): 36

Height/Depth (in):

Width (in):



o20171019110632.JPG

Outfall Notes:

Universal St storm sewer discharges to stream from east.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 461,358

Easting: 778,523

Latitude/Longitude:

Latitude: 43.98510

Longitude: -88.59299

Inspection Date: 10/19/2017 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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition:

Minor

Depth (in): 1

Damage:

None

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

o20171019110648.JPG

2017

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		Notes Sample collected from area of concentrated flow immediately downstream from outfall.		 o20161019145234.JPG	
Submerged: Partially Depth (in): 2							
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.3 units Temperature: 66 °F Conductivity: 1979 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2016	
Inspection Date: 9/24/2015 2:14:57 PM		Type: Ongoing		Flow: Moderate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Moderate flow into detention basin.		 o20150924131716.JPG	
Submerged: None Depth (in):							
Sampling Results 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		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		2015	
Inspection Date: 7/30/2013 6:33:19 AM		Type: Ongoing		Flow: Trickle		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 o20130730053908.JPG	
Submerged: None Depth (in):							
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 units Temperature: 63 °F Conductivity: 1764 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Moderate Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 3 in. Damage: None		2013	

Priority Outfall

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental Outfall

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

N/A

Dimensions

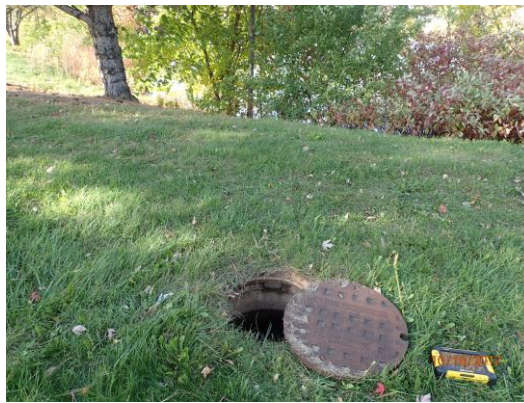
Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

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



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

 Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: Faint in bottle

Dark/Black

 Gross Solids: None ☐ Litter ☐ Debris ☐ Sediment ☐ Other

 Vegetation: None ☐ Inhibited ☐ Excessive

 Benthic Growth: Moderate ☒ Green ☐ Brown

 Stains: Severe ☒ 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


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


Inspection Date: 10/19/2016 1:54:34 PM		Type: Ongoing	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 3		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Flow</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.91 units</p> <p>Temperature: 67 °F</p> <p>Conductivity: 649 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div style="width: 45%;"> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: Cloudy</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: Severe</p> <p>Non-illicit: Slight</p> </div> </div>				
		<p>Notes</p> <p>Sample collected from area where car wash pipe enters manhole.</p>		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>		
				 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		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 7.96 units</p> <p>Temperature: 71 °F</p> <p>Conductivity: 572 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div style="width: 45%;"> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: None</p> <p>Color: Clearly visible in bottl</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: Moderate</p> <p>Non-illicit: None</p> </div> </div>				
		<p>Notes</p>		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>		
				 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		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 0 ppm</p> <p>pH: 8.1 units</p> <p>Temperature: -- °F</p> <p>Conductivity: 618 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div style="width: 45%;"> <p>Floatables: Slight</p> <p>Odor: None</p> <p>Turbidity: Slight cloudiness</p> <p>Color: Faint in bottle</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: None</p> <p>Stains: Severe</p> <p>Non-illicit: None</p> </div> </div>				
		<p>Notes</p>		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>		
				 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		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Sampling Results</p> <p>Sample Location: Pool</p> <p>Total Chlorine: 0 ppm</p> <p>Free Chlorine: 0 ppm</p> <p>Ammonia: 1 ppm</p> <p>pH: 7.81 units</p> <p>Temperature: 75 °F</p> <p>Conductivity: 632 µS/cm</p> <p>Detergents: 0 mg/L</p> </div> <div style="width: 45%;"> <p>Floatables: None</p> <p>Odor: None</p> <p>Turbidity: Slight cloudiness</p> <p>Color: None</p> <p>Gross Solids: None</p> <p>Vegetation: None</p> <p>Benthic Growth: Slight</p> <p>Stains: Moderate</p> <p>Non-illicit: None</p> </div> </div>				
		<p>Notes</p>		
		<p>Condition Assessment</p> <p>Graffiti: None</p> <p>Erosion: None</p> <p>Deposition: None in.</p> <p>Damage: None</p>		
				 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 —	
Submerged: Partially Depth (in): 2			Ammonia/detergent follow-up.	
Sampling Results —				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	Slight cloudiness	
Ammonia:	0 ppm	Color:	Faint in bottle	
pH:	7.88 units	Gross Solids:	None	
Temperature	64 °F	Vegetation:	None	
Conductivity:	686 µS/cm	Benthic Growth:	Slight	
Detergents:	0 mg/L	Stains:	Slight	
		Non-illicit:	None	
			Condition Assessment —	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



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 —	
Submerged: Partially Depth (in): 2			Black pool on flowline with petroleum odor.	
Sampling Results —				
Sample Location:	Pool	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	Faint	
Free Chlorine:	0 ppm	Turbidity:	Cloudy	
Ammonia:	3 ppm	Color:	Clearly visible in bottl	
pH:	7.89 units	Gross Solids:	Slight	
Temperature	64 °F	Vegetation:	None	
Conductivity:	1011 µS/cm	Benthic Growth:	None	
Detergents:	1.3 mg/L	Stains:	Moderate	
		Non-illicit:	Moderate	
			Condition Assessment —	
			Graffiti:	None
			Erosion:	None
			Deposition:	None in.
			Damage:	None



o20120612104548.JPG

2012

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): 18

Height/Depth (in):

Width (in):



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.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 460,204

Easting: 780,970

Latitude/Longitude:

Latitude: 43.98194

Longitude: -88.58369

Inspection Date: 10/19/2017 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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171019105604.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

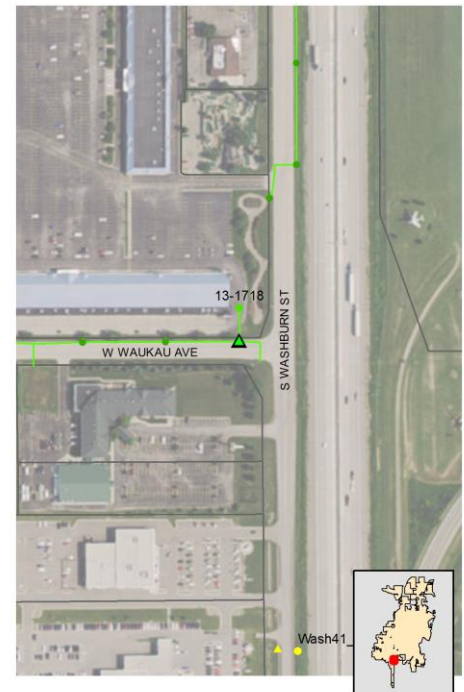
Conductivity (field): -- µS/cm

Detergents: -- mg/L

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		Notes		 <p>o20161019144214.JPG</p> <p>2016</p>	
Submerged: Fully		Depth (in):		End of pipe/manhole not located - screened upstream at 13-1718 US1.			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			

Inspection Date: 9/24/2015 2:29:22 PM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes		 <p>o20150924133032.JPG</p> <p>2015</p>	
Submerged: None		Depth (in):		Outfall not located - screened at 13-1718 US1.			
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			

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 Precison:

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: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: Slight

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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

Inspection Date: 10/19/2016 2:45:15 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Manhole dry at time of inspection.	 o20161019144328.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/24/2015 2:30:19 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Flowline damp, but no flow at time of inspection.	 o20150924133136.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

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):

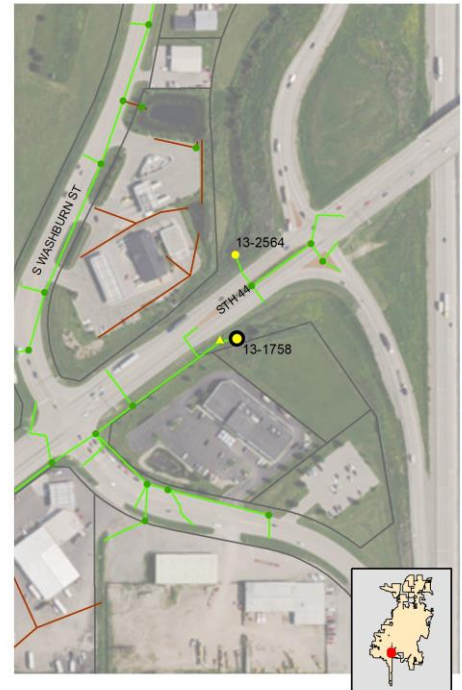


o20171019103616.JPG

Outfall Notes:

STH 44 storm sewer discharges to USH 41 right-of-way from west.

Location Map



Mapping Precison:

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.

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: None**Color:** None
Gross Solids: Slight ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: Moderate ☒ Green ☐ Brown

Stains: Moderate ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None**Erosion:** None**Deposition:** Moderate Depth (in): 8**Damage:** None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage


o20171019103654.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

Inspection Date: 10/19/2016 2:28:19 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 24																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Easily detected</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	Easily detected	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall partially submerged - screened upstream at 13-1758 US1.	 o20161019142738.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	Easily detected																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Moderate 13 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	Moderate 13 in.	Damage:	None	2016																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 13 in.																																					
Damage:	None																																					

Inspection Date: 9/24/2015 1:57:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 24																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None	Notes Outfall partially submerged - screened at 13-1758 US1.	 o20150924125956.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Moderate 8 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	Moderate 8 in.	Damage:	None	2015																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 8 in.																																					
Damage:	None																																					

Inspection Date: 10/7/2014 11:57:15 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 26																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>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	Notes Outfall partially submerged - screened upstream at 13-1758 US1.	 o20141007105524.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Moderate 8 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	Moderate 8 in.	Damage:	None	2014																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 8 in.																																					
Damage:	None																																					

Inspection Date: 7/30/2013 7:19:09 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 30																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	Slight	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Oil containment booms still present in downstream pool. Outfall fully submerged. Screened upstream at 13-1758 US1.	 o20130730062618.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	Slight																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>Moderate 10 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	Moderate 10 in.	Damage:	None	2013																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 10 in.																																					
Damage:	None																																					

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

13-1758

Dimensions

Diameter (in):

Height/Depth (in):

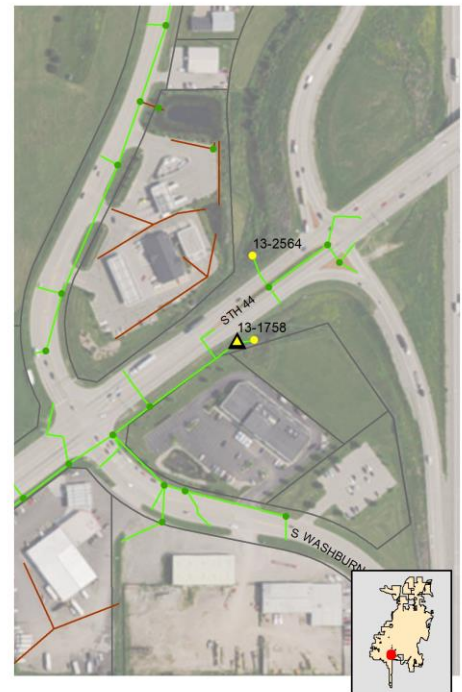
Width (in):



o20171019104448.JPG

Outfall Notes:

Upstream manhole located approx 42 ft W of outfall 13-1758. Intermediate area consists of state highway right-of-way.

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 462,713

Easting: 780,659

Latitude/Longitude:

Latitude: 43.98883

Longitude: -88.58488

Inspection Date: 10/19/2017 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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☒ Green ☒ BrownStains: ☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**Graffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20171019104456.JPG

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

Inspection Date: 10/19/2016 2:33:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 24		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.72 units Temperature: 67 °F Conductivity: 1270 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	Notes Concrete washout on ground near manhole.	 o20161019143020.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 9/24/2015 2:02:47 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.66 units Temperature: 72 °F Conductivity: 1138 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Moderate Non-illicit: Slight	Notes No remaining evidence of former petroleum discharge.	 o20150924130406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 10/7/2014 12:02:49 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.72 units Temperature: -- °F Conductivity: 1629 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Moderate Vegetation: None Benthic Growth: Slight Stains: Moderate Non-illicit: None	Notes Floating gross solids (litter) in manhole.	 o20141007110058.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Inspection Date: 7/30/2013 7:22:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 27		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.6 units Temperature: 67 °F Conductivity: 1071 µS/cm Detergents: 0 mg/L		Floatables: Moderate Odor: Easily detected Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: None Stains: Severe Non-illicit: None	Notes Petroleum odor still present. Slight sheen observed.	 o20130730062844.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 66

Height/Depth (in):

Width (in):

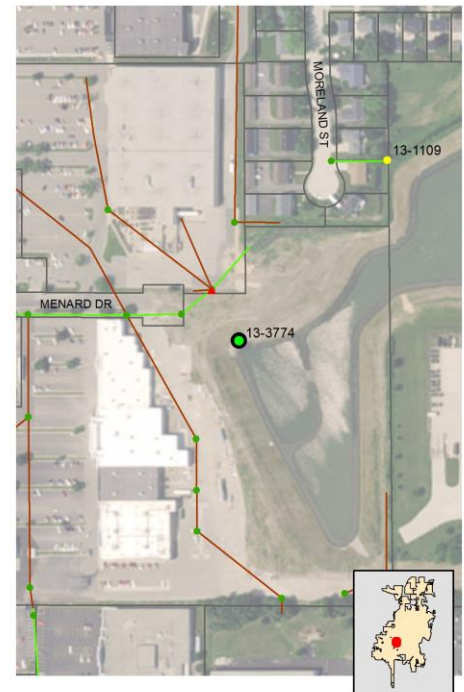


o20171018161604.JPG

Outfall Notes:

Storm sewer from Koeller St and Menard Dr discharges to west side of detention basin.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 468,701

Easting: 782,214

Latitude/Longitude:

Latitude: 44.00525

Longitude: -88.57900

Inspection Date: 10/18/2017 4:20:44 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, slight flow

Submerged: Partially Depth (in): 1

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018161638.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171018-78

Time Collected: 16:16

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.88 units

Temperature (field): 67 °F

Conductivity (field): 1262 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2016 3:20:01 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.07 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1396 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.07 units	Temperature:	66 °F	Conductivity:	1396 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>Moderate</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
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Stains:	Slight																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 60px;"></div>		 o20161019151808.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		
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Erosion:	None																																					
Deposition:	None																																					
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																																				
Submerged: None		Depth (in):																																				
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		Notes <div style="border: 1px solid black; height: 60px;"></div>		 o20150928090940.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 27

Height/Depth (in):

Width (in):

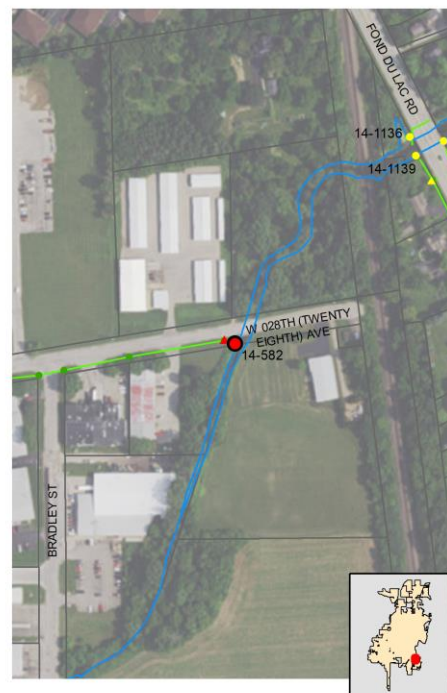


o20171018125132.JPG

Outfall Notes:

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

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,013

Easting: 793,247

Latitude/Longitude:

Latitude: 43.98693

Longitude: -88.53705

Inspection Date: 10/18/2017 12:59:00 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Outfall partially submerged - screened upstream at 14-582 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: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Moderate

☒ Green ☐ Brown

Stains: Moderate

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018125442.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


Inspection Date: 10/19/2016 12:51:41 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results		Notes Outfall partially submerged - screened upstream at 14-582 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20161019124922.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>		

Inspection Date: 9/24/2015 12:34:42 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results		Notes Outfall partially submerged - screened at 14-582 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Moderate		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20150924113630.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>		

Inspection Date: 10/7/2014 1:07:56 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results		Notes Outfall partially submerged - screened upstream at 14-582 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Moderate		
Detergents: -- mg/L	Stains:	Severe		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20141007120544.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>		

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		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 14-582 US1.		
Sample Location:	Floatables:	None		
Total Chlorine: -- ppm	Odor:	None		
Free Chlorine: -- ppm	Turbidity:	None		
Ammonia: -- ppm	Color:	None		
pH: -- units	Gross Solids:	None		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
		 o20130731092642.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2013</div>		


Inspection Date: 9/27/2012 11:43:23 AM		Type: Repeat	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 6			Gel-like sheen on surface of stream. Outfall partially submerged; additional screening upstream at 14-582 US7.	
Sampling Results			Condition Assessment	
Sample Location: Pool	Floatables: None		Graftiti: 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: 7.77 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	Notes	
Submerged: Partially Depth (in): 12			Dark black substance in water around outfall and bridge. Sample collected from stream.	
Sampling Results			Condition Assessment	
Sample Location: Pool	Floatables: None		Graftiti: None	
Total Chlorine: 0 ppm	Odor: Noticeable from a dist		Erosion: None	
Free Chlorine: 0 ppm	Turbidity: Cloudy		Deposition: None in.	
Ammonia: 0 ppm	Color: Clearly visible in flow		Damage: None	
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	Notes	
Submerged: Partially Depth (in): 12			Outfall partially submerged; screened upstream at 14-582 US7.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables: None		Graftiti: None	
Total Chlorine: -- ppm	Odor: None		Erosion: None	
Free Chlorine: -- ppm	Turbidity: None		Deposition: None in.	
Ammonia: -- ppm	Color: None		Damage: None	
pH: -- units	Gross Solids: None			
Temperature -- °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: Moderate			
Detergents: -- mg/L	Stains: None			
	Non-illicit: None			



o20120620110152.JPG

2012


Inspection Date: 10/5/2011 12:26:00 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Obvious		Inspector: JCW	Notes	
Submerged: Partially Depth (in):			Complaint follow-up. Outfall partially submerged. Outfall screened upstream at 14-585 US7. Limited screening conducted.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:		Graftiti:	
Total Chlorine: -- ppm	Odor:		Erosion:	
Free Chlorine: -- ppm	Turbidity:		Deposition: in.	
Ammonia: -- ppm	Color:		Damage:	
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	
Submerged: Partially Depth (in):			Complaint follow-up. Strong chlorine smell inside pipe. Chemical interference with chlorine test. Limited screening conducted.	
Sampling Results			Condition Assessment	
Sample Location:	Pool	Floatables:		
Total Chlorine:	-- ppm	Odor:	Noticeable from a dist	
Free Chlorine:	-- ppm	Turbidity:		
Ammonia:	-- ppm	Color:		
pH:	-- units	Gross Solids:		
Temperature	-- °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	-- mg/L	Stains:		
		Non-illicit:		
			Graffiti: 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	
Submerged: Partially Depth (in):			Responded to complaint about discharge from pipe. Outfall partially submerged. Yellow pool at end of pipe. Chemical smell inside pipe.	
Sampling Results			Condition Assessment	
Sample Location:	Pool	Floatables:		
Total Chlorine:	2 ppm	Odor:	Noticeable from a dist	
Free Chlorine:	2 ppm	Turbidity:		
Ammonia:	2 ppm	Color:	Clearly visible in flow	
pH:	-- units	Gross Solids:		
Temperature	-- °F	Vegetation:		
Conductivity:	-- µS/cm	Benthic Growth:		
Detergents:	-- mg/L	Stains:		
		Non-illicit:	None	
			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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,023

Easting: 793,221

Latitude/Longitude:

Latitude: 43.98696

Longitude: -88.53715

Inspection Date: 10/18/2017 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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171018130134.JPG

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 Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.65 units Temperature: 65 °F Conductivity: 1620 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: None in. Damage: None	
			 o20161019125222.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 12:40:02 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 7		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.38 units Temperature: 72 °F Conductivity: 780 µS/cm Detergents: 0 mg/L		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	
			 o20150924114134.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/7/2014 1:11:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.73 units Temperature: -- °F Conductivity: 1481 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None 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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 7/31/2013 10:27:12 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 5		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.52 units Temperature: 72 °F Conductivity: 1403 µS/cm Detergents: 0 mg/L		Floatables: Slight Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20130731093036.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>	

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): 22

Width (in): 38



o20171019123014.JPG

Outfall Notes:

33rd Ave storm sewer discharges to stream from west.

Location Map



Mapping Precision:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 458,732

Easting: 791,162

Latitude/Longitude:

Latitude: 43.97793

Longitude: -88.54497

Inspection Date: 10/19/2017 12:32:13 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 8

Illicit Discharge Potential: Unlikely

Notes: Upstream location inside locked fence surrounding detention basin. Sample collected from submerged pool at end of pipe.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☒ Green ☐ BrownStains: ☒ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171019123026.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171019-47

Time Collected: 12:31

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 7.71 units

Temperature (field): 62 °F


Conductivity (field): 629 µS/cm

Detergents: 0 mg/L

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		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Outfall partially submerged - screened upstream at 14-595 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141007115328.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

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		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Moderate Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 14-595 US3. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20130717110248.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>	

Inspection Date: 8/26/2010		Type: Ongoing	Flow:	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged:		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Actual outfall not screened. Oil observed in 14-595 US3 in 2009 - only upstream manhole re-screened. Condition Assessment Graffiti: Erosion: Deposition: in. Damage:	
			<div style="text-align: center; font-size: 24pt; font-weight: bold;">Photo Not Available</div> <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>	

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		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.57 units Temperature: 71 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 Osh09_DSCN6531.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):

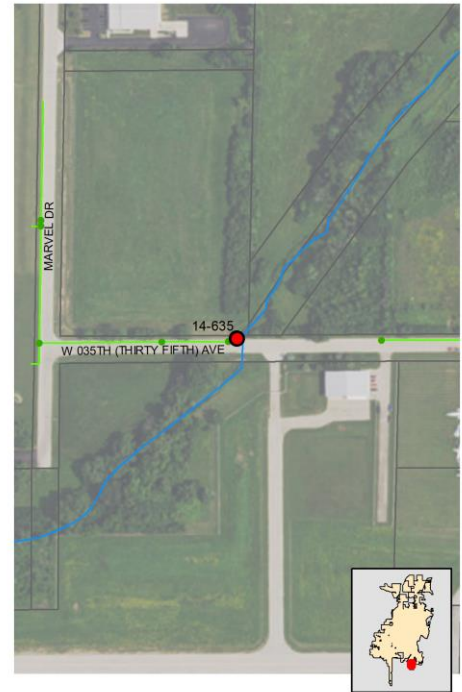


o20171018134804.JPG

Outfall Notes:

35th Ave storm sewer discharges into west culvert.
Location approximate - GPS not available in culvert.

Location Map



Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 457,123

Easting: 790,346

Latitude/Longitude:

Latitude: 43.97351

Longitude: -88.54807

Inspection Date: 10/18/2017 1:52:07 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 5

Illicit Discharge Potential: Unlikely

Notes: Upstream catchbasin dry - sample collected from submerged pool 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

Physical Condition Assessment

Graffiti: Erosion: Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018134816.JPG

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

Inspection Date: 7/17/2013 11:22:01 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 1 ppm pH: 7.6 units Temperature: 71 °F Conductivity: 729 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20130717102554.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2013</div>

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Water standing in pipe ribs - no flow. Black lining of pipe peeling.	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. 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.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 459,987

Easting: 791,780

Latitude/Longitude:

Latitude: 43.98137

Longitude: -88.54262

Location Map



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.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

Slight

☒

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018132644.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

Inspection Date: 7/17/2013 1:07:42 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Pipe wet but no collectable flow at time of inspection.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
		 <p style="text-align: center;">o20130717121116.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2013</p>																																				

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in): 0																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:																																						
Odor:																																						
Turbidity:																																						
Color:																																						
Gross Solids:																																						
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes 																																				
		Condition Assessment <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</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
		 <p style="text-align: center;">Osh09_DSCN6544.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>																																				

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - 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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 460,033

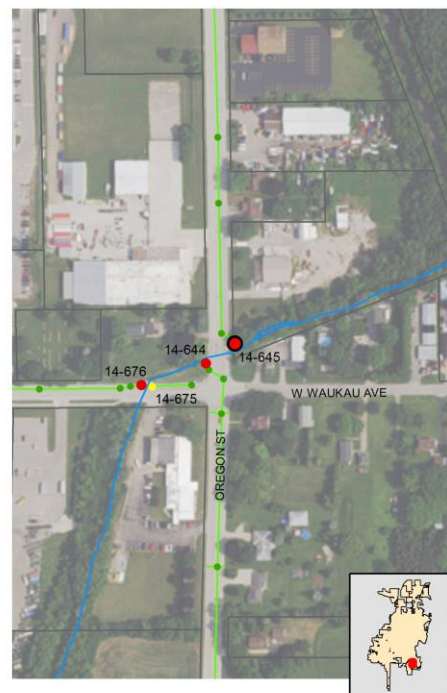
Easting: 791,853

Latitude/Longitude:

Latitude: 43.98150

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".

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018132924.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

Inspection Date: 7/17/2013 1:12:46 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Pipe wet, but no flow leaving apron. Apron displaced 4". Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor	 o20130717121624.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Wet, no flow. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor	 Osh09_DSCN6547.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 24

Height/Depth (in):

Width (in):



o20171018141326.JPG

Outfall Notes:

Oregon St storm sewer discharges to stream from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 463,068

Easting: 791,853

Latitude/Longitude:

Latitude: 43.98982

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".

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

Moderate

☒

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171018141336.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

Inspection Date: 7/31/2013 6:52:38 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.19 units Temperature: 70 °F Conductivity: 638 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes 7" apron displacement Condition Assessment Graffiti: Minor Erosion: None Deposition: None in. Damage: Moderate	 o20130731055412.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Apron separating from pipe. Graffiti on bridge. Condition Assessment Graffiti: Moderate Erosion: None Deposition: None 0 in. Damage: Moderate	 Osh09_DSCN6559.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 457,027

Easting: 791,726

Latitude/Longitude:

Latitude: 43.97325

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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

None

☐ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

Moderate Depth (in): 3

Damage:

None

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

o20171018135940.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

Inspection Date: 7/17/2013 11:32:29 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Apron sediment wet, but no collectable flow at time of inspection.	 o20130717103632.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 4 in. Damage: None		

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Standing water inside pipe due to sediment at end - no flow leaving pool.	 Osh09_DSCN6521.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: 4 in. Damage: None		

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - 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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 459,937

Easting: 791,621

Latitude/Longitude:

Latitude: 43.98123

Longitude: -88.54323

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.

Floatables: None

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

Odor: None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

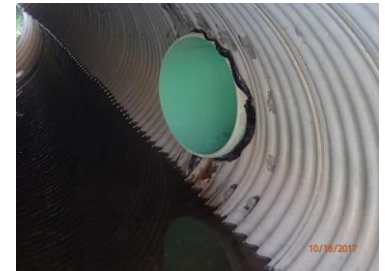
Erosion: None

Deposition: None

Depth (in):

Damage: None

☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage


o20171018132244.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

Inspection Date: 7/17/2013 12:56:41 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely Submerged: None Depth (in):		Inspector: JCW	Notes	 o20130717120006.JPG 2013
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 8.11 units Temperature: 72 °F Conductivity: 947 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: Slight	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Moderate	
Inspection Date: 6/20/2012 12:29:02 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely Submerged: None Depth (in):		Inspector: JCW	Notes	 o20120620112732.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: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor	
Inspection Date: 10/6/2011 3:04:00 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: None Depth (in):		Inspector: JCW	Notes	 o20111006150702.JPG 2011
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Moderate Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate	
Inspection Date: 5/26/2011 12:58:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential Submerged: Partially Depth (in): 2		Inspector: JCW	Notes	 o20110526124526.JPG 2011
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm 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	


Inspection Date: 8/26/2010 1:00:18 PM		Type: Other	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: None		Depth (in):	Sample consists of sheen skimmed from surface of downstream pool.	
Sampling Results		Condition Assessment		
Sample Location: Pool	Floatables: Moderate	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.52 units	Gross Solids: None			
Temperature 76 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			


 o20100826123758.JPG
2010

Inspection Date: 8/26/2010 12:58:18 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: None		Depth (in):	Persistent suds and gel-like sheen downstream	
Sampling Results		Condition Assessment		
Sample Location: Flow	Floatables: Moderate	Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: 0 ppm	Color: None			
pH: 8.3 units	Gross Solids: None			
Temperature 78 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			


 o20100826123658.JPG
2010

Inspection Date: 9/4/2009		Type: Initial	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: None		Depth (in): 0	Sample 09090411 collected from pool (suds). No detergent detected.	
Sampling Results		Condition Assessment		
Sample Location: Flow	Floatables: Moderate	Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor		
Total Chlorine: 0 ppm	Odor: None			
Free Chlorine: 0 ppm	Turbidity: None			
Ammonia: -- ppm	Color: None			
pH: 8.32 units	Gross Solids: None			
Temperature 78 °F	Vegetation: None			
Conductivity: -- µS/cm	Benthic Growth: None			
Detergents: 0 mg/L	Stains: Moderate			
	Non-illicit: None			


 Osh09_DSCN6538.JPG
2009

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 Precison:

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 11

Damage: None

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

o20171018131222.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

Inspection Date: 7/17/2013 1:30:26 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Sediment wet, but no collectable flow at time of inspection.	 o20130717123414.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2013</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 11		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None	Notes Pool at end of pipe - no flow leaving pool.	 Osh09_DSCN6550.JPG <div style="font-size: 24pt; font-weight: bold; text-align: center;">2009</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: 9 in. Damage: None		

Location Map

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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		
Submerged: Partially Depth (in):		<div style="border: 1px solid black; padding: 5px;"> Notes Inside locked security fence. Screened upstream at 14-996 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>		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None </div>	

**Outfall
Not
Located**

Photo Not Available

2013

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially Depth (in): 5		<div style="border: 1px solid black; padding: 5px;"> Notes </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>		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Slight Stains: Non-illicit: None	<div style="border: 1px solid black; padding: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>	



09_04_2009 17:42

Osh09_DSCN6564.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): 48

Height/Depth (in):

Width (in):

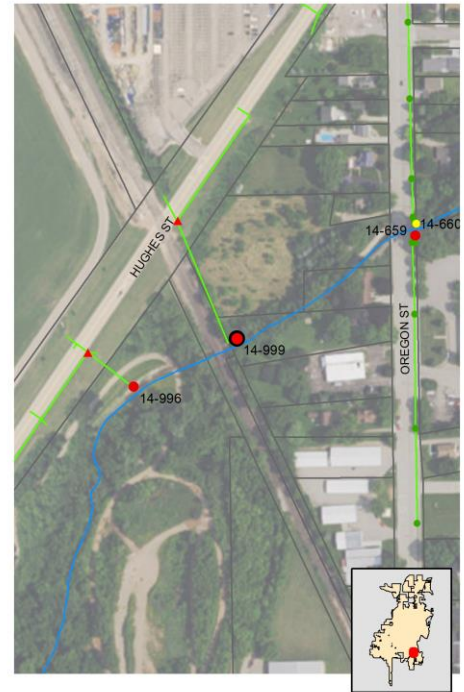


o20171019115308.JPG

Outfall Notes:

Hughes St storm sewer discharges to stream from north.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 462,824

Easting: 791,411

Latitude/Longitude:

Latitude: 43.98915

Longitude: -88.54403

Inspection Date: 10/19/2017 11:55:23 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: Unlikely

Notes: Upstream manhole dry - sample collected from submerged pool at end of pipe. 3" joint displacement and damaged concrete.

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

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

☐ VOC/Solvent
 ☐ Fishy
 ☐ Sulfur
 ☐ Fragrant
Turbidity: Color:
 Gross Solids:
☐ Litter
 ☐ Debris
 ☐ Sediment
 ☐ Other

 Vegetation:
☐ Inhibited
 ☐ Excessive

 Benthic Growth:
☒ Green
 ☐ Brown

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

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

Physical Condition Assessment

Graffiti: Erosion: Deposition: Depth (in):
 Damage: Moderate
 ☒ Displacement
 ☐ Undercut
 ☐ Crushed

☐ Corrosion
 ☐ Cracks/Structural Damage


o20171019115316.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171019-47

Time Collected: 11:54

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm


pH (field): 8.10 units


Temperature (field): 62 °F


Conductivity (field): 725 µS/cm

Detergents: 0 mg/L

Inspection Date: 10/19/2016 1:11:20 PM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.24 units Temperature: 65 °F Conductivity: 765 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: Faint in bottle Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Last pipe segment displaced 4" at joint.	 o20161019130908.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2016</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor	

Inspection Date: 9/24/2015 12:55:30 PM		Type: Ongoing	Flow: Moderate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.17 units Temperature: 72 °F Conductivity: 1595 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes 4" joint displacement.	 o20150924115728.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2015</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Moderate	

Inspection Date: 7/31/2013 7:27:16 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.05 units Temperature: 71 °F Conductivity: 1865 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Moderate Non-illicit: None	Notes End section displaced 4".	 o20130731063036.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2013</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor	

Inspection Date: 9/4/2009		Type: Initial	Flow: Submerged, slight flow	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 1		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: -- ppm pH: 7.82 units Temperature: 73 °F Conductivity: -- µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: Slight Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes End section of pipe separated.	 Osh09_DSCN6570.JPG <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2009</div>
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Moderate	

Non-Priority Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 29

Width (in): 45

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171018140158.JPG

Outfall Notes:

Oregon St storm sewer discharges to east CTH I ditch.

County Coordinates:

Northing: 457,009

Easting: 791,734

Latitude/Longitude:

Latitude: 43.97320

Longitude: -88.54279

Location Map



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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: Erosion:

Deposition: Minor Depth (in): 2

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

o20171018140212.JPG

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

Inspection Date: 7/17/2013 11:41:00 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Apron sediment wet, but no collectable flow at time of inspection.	 o20130717104110.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Minor 5 in. Damage: None		

Inspection Date: 9/4/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Garbage inside pipe.	 Osh09_DSCN6525.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: 1 in. Damage: 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:

Northing: 459,943

Easting: 792,565

Latitude/Longitude:

Latitude: 43.98125

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Moderate Depth (in): 11

Damage: None

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

o20171018131410.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

Inspection Date: 10/19/2016 12:41:44 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Corrugations wet, but no flow. 10" of stone in end of pipe. RR ties obstructing end.	 o20161019124104.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		

Inspection Date: 9/24/2015 12:22:34 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Partially filled with stone.	 o20150924112622.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 10 in. Damage: None		

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 42

Height/Depth (in):

Width (in):



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.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 481,232

Easting: 792,363

Latitude/Longitude:

Latitude: 44.03965

Longitude: -88.54045

Inspection Date: 10/19/2017 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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

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



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

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																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Flow</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>7.57 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>1099 µS/cm</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Flow	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Moderate	pH:	7.57 units	Vegetation:	None	Temperature:	66 °F	Benthic Growth:	Slight	Conductivity:	1099 µS/cm	Stains:	Slight	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Flow	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
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Conductivity:	1099 µS/cm	Stains:	Slight																																					
Detergents:	0 mg/L	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 <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																					

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																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Sample Location:</td> <td>Pool</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>7.99 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>67 °F</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Conductivity:</td> <td>1153 µS/cm</td> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:	Pool	Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	None	pH:	7.99 units	Vegetation:	None	Temperature:	67 °F	Benthic Growth:	Moderate	Conductivity:	1153 µS/cm	Stains:	Moderate	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location:	Pool	Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
Free Chlorine:	0 ppm	Color:	None																																					
Ammonia:	0 ppm	Gross Solids:	None																																					
pH:	7.99 units	Vegetation:	None																																					
Temperature:	67 °F	Benthic Growth:	Moderate																																					
Conductivity:	1153 µS/cm	Stains:	Moderate																																					
Detergents:	0 mg/L	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 <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>																																					

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																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td>Moderate</td> </tr> <tr> <td>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>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>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>Moderate</td> </tr> </table>					Sampling Results		Floatables:	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:	Slight	Conductivity:	-- µS/cm	Stains:	Slight	Detergents:	-- mg/L	Non-illicit:	Moderate
Sampling Results		Floatables:	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:	Slight																																					
Conductivity:	-- µS/cm	Stains:	Slight																																					
Detergents:	-- mg/L	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 <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>																																					

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):																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Sampling Results</td> <td>Floatables:</td> <td></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></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:		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
Sampling Results		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 partially submerged. Outfall screened upstream at 15-143 US1.																																						
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																						
			 o20110512124336.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>																																					

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

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 Precision:

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

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in): 0

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

o20111006140752.JPG

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

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		
Submerged:		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None		
		Notes Limited screening conducted for upstream manhole prescreening.		
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
		Photo Not Available 2011		

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 Precison:

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171019135446.JPG

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

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																																						
<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: Flow</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>pH:</td> <td>7.6 units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature:</td> <td>65 °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>1026 µS/cm</td> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location: Flow		Odor:	None	Total Chlorine:	0 ppm	Turbidity:	None	Free Chlorine:	0 ppm	Color:	None	Ammonia:	0 ppm	Gross Solids:	Slight	pH:	7.6 units	Vegetation:	None	Temperature:	65 °F	Benthic Growth:	Slight	Conductivity:	1026 µS/cm	Stains:	Moderate	Detergents:	0 mg/L	Non-illicit:	None
Sampling Results		Floatables:	None																																					
Sample Location: Flow		Odor:	None																																					
Total Chlorine:	0 ppm	Turbidity:	None																																					
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Conductivity:	1026 µS/cm	Stains:	Moderate																																					
Detergents:	0 mg/L	Non-illicit:	None																																					
		Notes Sample collected from concentrated flow in outfall pool.																																						
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																						
			 o20161019121322.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																					

Inspection Date: 9/24/2015 8:19:03 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW																																						
Submerged: Partially		Depth (in): 6																																						
<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>Easily detected</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>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	Easily detected	Total Chlorine:	-- ppm	Turbidity:	None	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature:	-- °F	Benthic Growth:	Slight	Conductivity:	-- µS/cm	Stains:	Moderate	Detergents:	-- mg/L	Non-illicit:	None
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Conductivity:	-- µS/cm	Stains:	Moderate																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
		Notes Outfall partially submerged - screened at 15-146 US1.																																						
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None																																						
			 o20150924072144.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>																																					

Inspection Date: 10/6/2011 2:26:18 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW																																						
Submerged: Partially		Depth (in): 6																																						
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Detergents:	-- mg/L	Non-illicit:	None																																					
		Notes Outfall partially submerged. Outfall screened upstream at 15-146 US1.																																						
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																						
			 o20111006142544.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>																																					

Inspection Date: 5/12/2011 12:38:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW																																						
Submerged: Partially		Depth (in):																																						
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Sampling Results		Floatables:																																						
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Free Chlorine:	-- ppm	Color:																																						
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Detergents:	-- mg/L	Non-illicit:	None																																					
		Notes Outfall partially submerged. Outfall screened upstream at 15-146 US1.																																						
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																																						
			 o20110512123858.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>																																					

Location Map

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-146

Dimensions

Diameter (in):

Height/Depth (in):

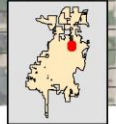
Width (in):



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):

Illicit Discharge Potential: Unlikely

Notes: Flowline damp, with gravel.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

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

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight Non-illicit: None	Notes Manhole wet but no flow. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20111006140454.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Limited screening conducted for upstream manhole prescreening. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	 o20110512123956.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>

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

Mapping Precison:

Mapping GPS

☐ Not Physically Located

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.

Location Map



County Coordinates:

Northing: 478,535

Easting: 797,609

Latitude/Longitude:

Latitude: 44.03226

Longitude: -88.52050

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

Notes: Fully submerged - water 2"+ over crown of pipe. Screened upstream at 15-636 US1.

Illicit Discharge Potential: Unlikely

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

None

☐ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171017125138.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

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 15-636 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019075416.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall fully submerged. Outfall screened upstream at 15-636 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111004093148.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 15-636 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110510122252.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2650

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.

Mapping Precison:

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 478,535

Easting: 797,555

Latitude/Longitude:

Latitude: 44.03226

Longitude: -88.52070

Location Map

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: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: Slight ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

Damage: None ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



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

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																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.87 units</td></tr> <tr><td>Temperature:</td><td>58 °F</td></tr> <tr><td>Conductivity:</td><td>359 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:	7.87 units	Temperature:	58 °F	Conductivity:	359 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>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:	Faint in bottle	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
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Color:	Faint in bottle																																					
Gross Solids:	Moderate																																					
Vegetation:	None																																					
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Stains:	None																																					
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		Notes Potential illicit discharge due to gross solids.																																				
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Damage:	None																																					
				 o20161019075520.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																		

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																																				
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Damage:	None																																					
				 o20111004093530.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

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):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:		Turbidity:		Color:		Gross Solids:	Slight	Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
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Color:																																						
Gross Solids:	Slight																																					
Vegetation:																																						
Benthic Growth:																																						
Stains:																																						
Non-illicit:	None																																					
		Notes Limited screening conducted for upstream manhole prescreening.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20110510123050.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):



o20171019143014.JPG

Outfall Notes:

N Main St storm sewer discharges to stream from west.

Location Map



Mapping Precison:

Mapping GPS

☒ Not Physically Located

County Coordinates:

Northing: 488,726

Easting: 793,062

Latitude/Longitude:

Latitude: 44.06021

Longitude: -88.53780

Inspection Date: 10/19/2017 2:32:42 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 15-1093 US1.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171019143036.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


Inspection Date: 9/24/2015 7:09:54 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially Depth (in): 14																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>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	Notes Outfall partially submerged - screened at 15-1093 US1.	
Sample Location:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 6 in.																																					
Damage:	None																																					
			 o20150924061136.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

Inspection Date: 10/9/2014 1:54:00 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially Depth (in): 9																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall partially submerged - screened upstream at 15-1093 US1.	
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20141009125326.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																			

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																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	Minor																																					
			 o20111006084300.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			

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):																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.	
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20110526091844.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																			


Inspection Date: 8/26/2010 2:56:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																				
Illicit Discharge Potential: Unlikely		Inspector: JCW	Notes Outfall partially submerged. Outfall screened upstream at 15-1093 US1.																																					
Submerged: Partially Depth (in): 7																																								
<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>Slight cloudiness</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	None	Total Chlorine:	-- ppm	Turbidity:	Slight cloudiness	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
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Temperature	-- °F	Benthic Growth:	Moderate																																					
Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment 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																																								
<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>Faint</td> </tr> <tr> <td>Total Chlorine:</td> <td>-- ppm</td> <td>Turbidity:</td> <td>Cloudy</td> </tr> <tr> <td>Free Chlorine:</td> <td>-- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>Ammonia:</td> <td>-- ppm</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>pH:</td> <td>-- units</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Temperature</td> <td>-- °F</td> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Detergents:</td> <td>-- mg/L</td> <td>Non-illicit:</td> <td>None</td> </tr> </table>					Sampling Results		Floatables:	None	Sample Location:		Odor:	Faint	Total Chlorine:	-- ppm	Turbidity:	Cloudy	Free Chlorine:	-- ppm	Color:	None	Ammonia:	-- ppm	Gross Solids:	None	pH:	-- units	Vegetation:	None	Temperature	-- °F	Benthic Growth:	Slight	Conductivity:	-- µS/cm	Stains:	None	Detergents:	-- mg/L	Non-illicit:	None
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Conductivity:	-- µS/cm	Stains:	None																																					
Detergents:	-- mg/L	Non-illicit:	None																																					
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: Minor																																					



Osh09_DSCN6359.JPG

2009

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1093

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

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.

Location Map**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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171019143218.JPG

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


Inspection Date: 9/24/2015 7:18:21 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 8																																				
Sampling Results <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>7.75 units</td></tr> <tr><td>Temperature:</td><td>68 °F</td></tr> <tr><td>Conductivity:</td><td>1510 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:	7.75 units	Temperature:	68 °F	Conductivity:	1510 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>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>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:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Odor:	None																																					
Turbidity:	Slight cloudiness																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
				 o20150924061936.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																		

Inspection Date: 10/9/2014 2:01:31 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 12																																				
Sampling Results <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>7.87 units</td></tr> <tr><td>Temperature:</td><td>60 °F</td></tr> <tr><td>Conductivity:</td><td>2030 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:	7.87 units	Temperature:	60 °F	Conductivity:	2030 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>Slight cloudiness</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>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:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Vegetation:	None																																					
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Stains:	None																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	Moderate 3 in.																																					
Damage:	None																																					
				 o20141009125920.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>																																		

Inspection Date: 10/6/2011 8:54:57 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 4																																				
Sampling Results <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>7.54 units</td></tr> <tr><td>Temperature:</td><td>65 °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.54 units	Temperature:	65 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.54 units																																					
Temperature:	65 °F																																					
Conductivity:	-- µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	None																																					
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20111006085240.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

Inspection Date: 5/26/2011 9:17:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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 <div style="border: 1px solid black; height: 60px; width: 100%;"> Limited screening conducted for upstream manhole prescreening. </div>																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None 0 in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
				 o20110526091718.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																		

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: center;">o20100826144124.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2010</p>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			None
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	0 ppm	Color:			None
pH:	7.95 units	Gross Solids:			None
Temperature	79 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			Slight
		Non-illicit:	None		
			Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Inspection Date: 9/2/2009		Type: Initial	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW	Notes		
Submerged: Partially		Depth (in):	 <p style="text-align: center;">Osh09_DSCN6366.JPG</p> <p style="text-align: center; font-size: 24pt; font-weight: bold;">2009</p>		
Sampling Results					
Sample Location:	Pool	Floatables:			None
Total Chlorine:	0 ppm	Odor:			Faint
Free Chlorine:	0 ppm	Turbidity:			None
Ammonia:	-- ppm	Color:			None
pH:	7.79 units	Gross Solids:			None
Temperature	76 °F	Vegetation:			None
Conductivity:	-- µS/cm	Benthic Growth:			None
Detergents:	0 mg/L	Stains:			None
		Non-illicit:	None		
			Condition Assessment 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): 15

Height/Depth (in):

Width (in):

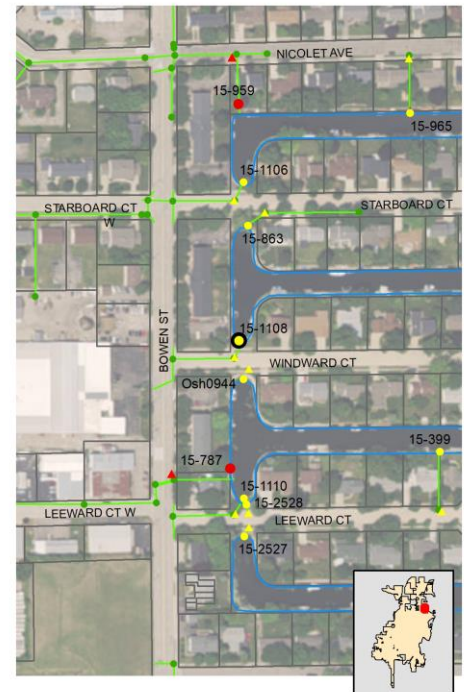


o20171019141150.JPG

Outfall Notes:

Storm sewer from Bowen St and Windward Ct discharges to lagoon from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 484,851

Easting: 795,815

Latitude/Longitude:

Latitude: 44.04958

Longitude: -88.52732

Inspection Date: 10/19/2017 2:13:56 PM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged (not located)

Submerged: Fully Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 15-1108 US1.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171019141152.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

Inspection Date: 10/19/2016 9:29:15 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 15-1108 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161019092756.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/24/2015 7:35:11 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 15-1108 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924063632.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/5/2011 10:07:32 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 16		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged. Outfall screened upstream at 15-1108 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20111005100840.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Inspection Date: 5/12/2011 9:38:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes Outfall fully submerged. Outfall screened upstream at 15-1108 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20110512093128.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2011</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-1108

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171019141312.JPG

Outfall Notes:

Upstream manhole located approx 46 ft SSW of outfall 115-1108. Intermediate area consists of street right-of-way and open space.

County Coordinates:

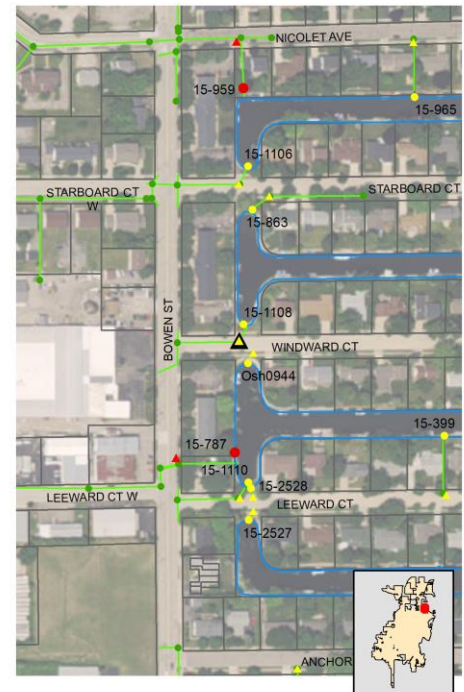
Northing: 484,811

Easting: 795,804

Latitude/Longitude:

Latitude: 44.04947

Longitude: -88.52737

Location Map

Inspection Date: 10/19/2017 2:15:28 PM **Inspector:** JCW **Inspection Type:** Ongoing **Previous Rainfall (hrs):** 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 11

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:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171019141326.JPG

2017**Sampling Results**

Sample Location:

Sample ID: 171019-35

Time Collected: 14:14

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): 412 µS/cm

Detergents: 0 mg/L

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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.78 units</td></tr> <tr><td>Temperature:</td><td>63 °F</td></tr> <tr><td>Conductivity:</td><td>413 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:	7.78 units	Temperature:	63 °F	Conductivity:	413 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
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Damage:	None																																					
		 o20161019092942.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																				

Inspection Date: 9/24/2015 7:35:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 7																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>7.88 units</td></tr> <tr><td>Temperature:</td><td>68 °F</td></tr> <tr><td>Conductivity:</td><td>384 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:	7.88 units	Temperature:	68 °F	Conductivity:	384 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>Slight</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	Slight
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
		 o20150924063654.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																				

Inspection Date: 10/5/2011 10:10:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 8																																				
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Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20111005101010.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

Inspection Date: 5/12/2011 9:31:00 AM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in):																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td></td></tr> <tr><td>Odor:</td><td></td></tr> <tr><td>Turbidity:</td><td></td></tr> <tr><td>Color:</td><td></td></tr> <tr><td>Gross Solids:</td><td></td></tr> <tr><td>Vegetation:</td><td></td></tr> <tr><td>Benthic Growth:</td><td></td></tr> <tr><td>Stains:</td><td></td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:		Odor:		Turbidity:		Color:		Gross Solids:		Vegetation:		Benthic Growth:		Stains:		Non-illicit:	None
Sample Location:																																						
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
		 o20110512093152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>																																				

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.

Location Map



Mapping Precision:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing: 480,046

Easting: 793,931

Latitude/Longitude:

Latitude: 44.03640

Longitude: -88.53448

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in): 2

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017123304.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

Inspection Date: 10/19/2016 12:25:36 PM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Sediment wet, but no flow at time of inspection. Condition Assessment Graffiti: None Erosion: None Deposition: Minor 1 in. Damage: None	
			 o20161019122450.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

Inspection Date: 9/24/2015 8:45:17 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged - screened at 15-2409 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150924075004.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Location Map



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):



o20171017123750.JPG

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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Dark/BlackGross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171017123758.JPG

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

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		
Submerged: Partially		Depth (in): 2		
Sampling Results Sample Location: Flow Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.82 units Temperature: 68 °F Conductivity: 600 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None



o20150924075444.JPG

2015

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 43

Width (in): 68

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171019145644.JPG

Outfall Notes:

Sherman Road storm sewer discharges to Asylum Bay from north.

Location Map



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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Minor Depth (in): 8

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171019145658.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

Inspection Date: 10/18/2016 5:32:01 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 30		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Vegetation accumulating on outside of grate. Outfall partially submerged - screened upstream at 15-2477 US2.	 o20161018173020.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/24/2015 6:32:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in): 43		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged - screened at 15-2477 US2. First upstream manhole in parking area not located in gravel.	 o20150924053500.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		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		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 15-2477 US2.	 o20130716074040.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 9 in. Damage: None		

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Major Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

15-2478

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171019145116.JPG

Outfall Notes:

Upstream manhole located approx 542 ft NNW of outfall 15-2477. Intermediate area consists of grassy field and gravel parking lot.

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 491,307

Easting: 797,123

Latitude/Longitude:

Latitude: 44.06729

Longitude: -88.52236

Inspection Date: 10/19/2017 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 ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☒ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 2

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

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

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																																				
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			 o20161018172406.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 9/24/2015 6:43:24 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 19																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.11 units</td></tr> <tr><td>Temperature:</td><td>67 °F</td></tr> <tr><td>Conductivity:</td><td>438 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.11 units	Temperature:	67 °F	Conductivity:	438 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
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			 o20150924054540.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>																																			

Inspection Date: 7/16/2013 8:46:08 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 18																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td>Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.07 units</td></tr> <tr><td>Temperature:</td><td>80 °F</td></tr> <tr><td>Conductivity:</td><td>437 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.07 units	Temperature:	80 °F	Conductivity:	437 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>None</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20130716074908.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

CMP

City ID:

N/A

Dimensions

Diameter (in): 12

Height/Depth (in):

Width (in):



o20171017110734.JPG

Outfall Notes:

Curb inlets from Veterans Trail discharge to river from west. Outfall not located - pipe info from MS4 map.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 480,225

Easting: 785,463

Latitude/Longitude:

Latitude: 44.03687

Longitude: -88.56669

Inspection Date: 10/17/2017 11:10:52 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: Submerged (not located)

Submerged: Fully

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Outfall fully submerged and not located - screened upstream at 16-142 US1.

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: None

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017110742.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


Inspection Date: 10/10/2016 1:39:08 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-142 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010133812.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 9/23/2015 10:42:40 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 16-142 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20150923094512.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2015</div>	

Inspection Date: 10/7/2014 8:03:04 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-142 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20141007070234.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2014</div>	

Inspection Date: 6/20/2012 10:45:54 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 24-48
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged; screened upstream at 16-142 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20120620094610.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2012</div>	

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;"> Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																			
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Stains:	None																																					
Non-illicit:	None																																					
			 <p style="text-align: center;">o20111011124048.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2011</p>																																			

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;"> Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-142 US1. </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None </div>																																			
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Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
			 <p style="text-align: center;">o20100819081820.JPG</p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">2010</p>																																			

Location Map



Structure Type:

Inlet/Catchbasin

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

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 Precison:

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

Notes: Sample collected from submerged pool in manhole. Ammonia assumed due to decomposing leaves.

Illicit Discharge Potential: Unlikely

Floatables: None

Odor: None

Turbidity: None

Color: None

Gross Solids: Slight

Vegetation: None

Benthic Growth: None

Stains: None

Non-illicit: Moderate

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

☒ Litter ☒ Debris ☐ Sediment ☐ Other

☐ Inhibited ☐ Excessive

☐ Green ☐ Brown

☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

☒ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017110926.JPG

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																				
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Easily detected</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>Moderate</td></tr> </table>			Floatables:	None	Odor:	Easily detected	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	Moderate
Floatables:	None																					
Odor:	Easily detected																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	Moderate																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location: Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>1 ppm</td></tr> <tr><td>pH:</td><td>6.65 units</td></tr> <tr><td>Temperature:</td><td>70 °F</td></tr> <tr><td>Conductivity:</td><td>809 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location: Pool		Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	1 ppm	pH:	6.65 units	Temperature:	70 °F	Conductivity:	809 µS/cm	Detergents:	0 mg/L	Notes Potential illicit discharge due to gross solids.				
Sample Location: Pool																						
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	1 ppm																					
pH:	6.65 units																					
Temperature:	70 °F																					
Conductivity:	809 µS/cm																					
Detergents:	0 mg/L																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None										
Graffiti:	None																					
Erosion:	None																					
Deposition:	None in.																					
Damage:	None																					
			 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																				
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	None																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location: Pool</td></tr> <tr><td>Total Chlorine:</td><td>0 ppm</td></tr> <tr><td>Free Chlorine:</td><td>0 ppm</td></tr> <tr><td>Ammonia:</td><td>0 ppm</td></tr> <tr><td>pH:</td><td>8.06 units</td></tr> <tr><td>Temperature:</td><td>71 °F</td></tr> <tr><td>Conductivity:</td><td>345 µS/cm</td></tr> <tr><td>Detergents:</td><td>0 mg/L</td></tr> </table>		Sample Location: Pool		Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.06 units	Temperature:	71 °F	Conductivity:	345 µS/cm	Detergents:	0 mg/L	Notes Floating gross solids (litter) in manhole.				
Sample Location: Pool																						
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	8.06 units																					
Temperature:	71 °F																					
Conductivity:	345 µS/cm																					
Detergents:	0 mg/L																					
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Graffiti:	None																					
Erosion:	None																					
Deposition:	None in.																					
Damage:	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																				
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>Faint</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>Slight</td></tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	Slight
Floatables:	None																					
Odor:	Faint																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Moderate																					
Vegetation:	None																					
Benthic Growth:	Slight																					
Stains:	None																					
Non-illicit:	Slight																					
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Sample Location: Pool																						
Total Chlorine:	0 ppm																					
Free Chlorine:	0 ppm																					
Ammonia:	0 ppm																					
pH:	7.55 units																					
Temperature:	-- °F																					
Conductivity:	430 µS/cm																					
Detergents:	0 mg/L																					
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Graffiti:	None																					
Erosion:	None																					
Deposition:	Minor 1 in.																					
Damage:	None																					
			 o20141007070512.JPG																			
2014																						

Inspection Date: 6/20/2012 10:46:43 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 24-48																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Fully		Depth (in): 23																				
Sampling Results		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None
Floatables:	None																					
Odor:	None																					
Turbidity:	None																					
Color:	None																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	Moderate																					
Stains:	Slight																					
Non-illicit:	None																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Sample Location:</td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- °F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- °F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	Notes 2011 gross solids follow-up. Visual screening only.				
Sample Location:																						
Total Chlorine:	-- ppm																					
Free Chlorine:	-- ppm																					
Ammonia:	-- ppm																					
pH:	-- units																					
Temperature:	-- °F																					
Conductivity:	-- µS/cm																					
Detergents:	-- mg/L																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None in.</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None										
Graffiti:	None																					
Erosion:	None																					
Deposition:	None in.																					
Damage:	None																					
			 o20120620094656.JPG																			
2012																						


Inspection Date: 10/11/2011 12:44:57 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in): 16			2010 screening follow-up. Floatable debris still present.	
Sampling Results			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			



o20111011124148.JPG

2011


Inspection Date: 5/26/2011 2:50:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully Depth (in):			Limited screening conducted to check for floatable debris.	
Sampling Results			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			



o20110526145102.JPG

2011

Inspection Date: 8/19/2010 8:30:49 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
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			



o20100819082134.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): 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 Precison:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 474,621

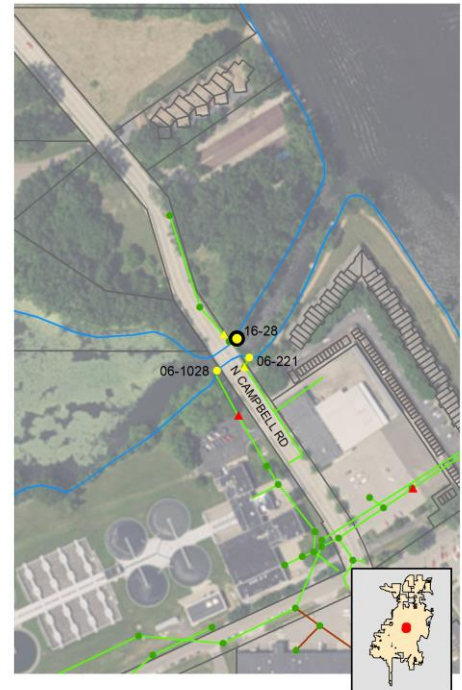
Easting: 787,925

Latitude/Longitude:

Latitude: 44.02151

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018104810.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

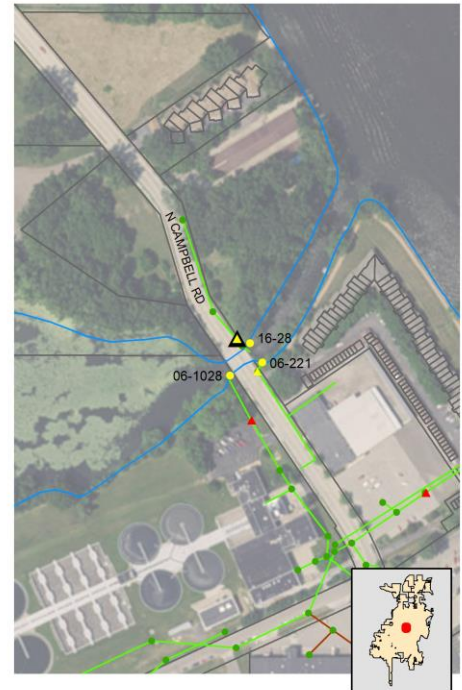
Conductivity (field): -- µS/cm

Detergents: -- mg/L

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-28 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20161018134846.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

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):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-28 US1.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 o20100818141424.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>	

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

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 Precison:

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

Notes: Sample collected from submerged pool in manhole.

Illicit Discharge Potential: Unlikely

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

Moderate

☐

Green

☒

Brown

Stains:

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

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

Inspection Date: 10/18/2016 1:52:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Fully		Depth (in): 32																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.43 units</td> </tr> <tr> <td>Temperature:</td> <td>68 °F</td> </tr> <tr> <td>Conductivity:</td> <td>419 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.43 units	Temperature:	68 °F	Conductivity:	419 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Moderate</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
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Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
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		Notes Potential illicit discharge due to gross solids.																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018134942.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 8/18/2010 2:28:52 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 34																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>6.98 units</td> </tr> <tr> <td>Temperature:</td> <td>80 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	6.98 units	Temperature:	80 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100818142006.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

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:

Northing: 477,606

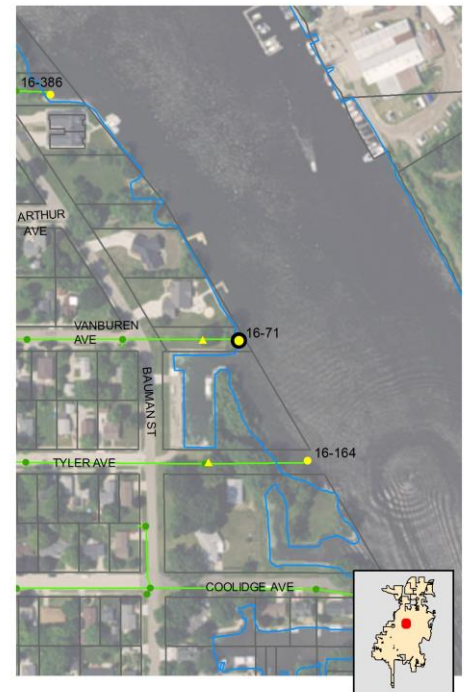
Easting: 786,843

Latitude/Longitude:

Latitude: 44.02969

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018102648.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

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	Notes Outfall fully submerged and not located - screened upstream at 16-71 US1.																																			
Submerged: Fully Depth (in):																																						
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Deposition:	None in.																																					
Damage:	None																																					
			 o20161018122812.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>																																			

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	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-71 US1.																																			
Submerged: Fully Depth (in):																																						
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Sample Location:</td> <td style="width:50%;">Floatables:</td> <td>None</td> </tr> <tr> <td>Total Chlorine: -- ppm</td> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Free Chlorine: -- ppm</td> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Ammonia: -- ppm</td> <td>Color:</td> <td>None</td> </tr> <tr> <td>pH: -- units</td> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Temperature -- ° F</td> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Conductivity: -- µS/cm</td> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Detergents: -- mg/L</td> <td>Stains:</td> <td>None</td> </tr> <tr> <td></td> <td>Non-illicit:</td> <td>None</td> </tr> </table>		Sample Location:	Floatables:	None	Total Chlorine: -- ppm	Odor:	None	Free Chlorine: -- ppm	Turbidity:	None	Ammonia: -- ppm	Color:	None	pH: -- units	Gross Solids:	None	Temperature -- ° F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>		Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None
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Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100825075024.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>																																			

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-71

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171018102736.JPG

Outfall Notes:

Upstream manhole located approx 85 ft W of outfall 16-71. Intermediate area consists of open space.

Mapping Precison:

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☒ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171018102752.JPG

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																																				
Submerged: Fully		Depth (in): 22																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0.5 ppm</td> </tr> <tr> <td>pH:</td> <td>7.7 units</td> </tr> <tr> <td>Temperature:</td> <td>66 °F</td> </tr> <tr> <td>Conductivity:</td> <td>632 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0.5 ppm	pH:	7.7 units	Temperature:	66 °F	Conductivity:	632 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
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Stains:	None																																					
Non-illicit:	None																																					
		Notes Potential illicit discharge due to gross solids. Four syringes removed from manhole.																																				
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Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018122930.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

Inspection Date: 8/25/2010 8:00:39 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Fully		Depth (in): 28																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.74 units</td> </tr> <tr> <td>Temperature:</td> <td>70 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.74 units	Temperature:	70 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Slight</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Slight	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
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Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.74 units																																					
Temperature:	70 °F																																					
Conductivity:	-- µS/cm																																					
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Graffiti:	None																																					
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Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100825075232.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

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:

Northing: 476,991

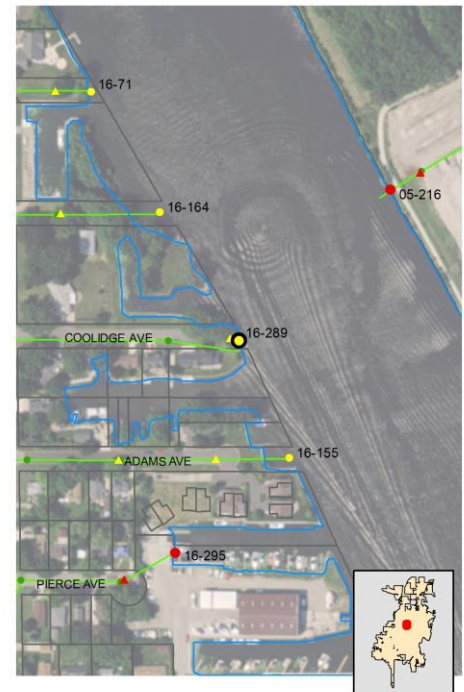
Easting: 787,194

Latitude/Longitude:

Latitude: 44.02801

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.

Floatables:

None

Odor:

None

Turbidity:

None

Color:

None

Gross Solids:

None

Vegetation:

None

Benthic Growth:

None

Stains:

None

Non-illicit:

None

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

☐ Litter ☐ Debris ☐ Sediment ☐ Other☐ Inhibited ☐ Excessive☐ Green ☐ Brown☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ Other☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171018103438.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

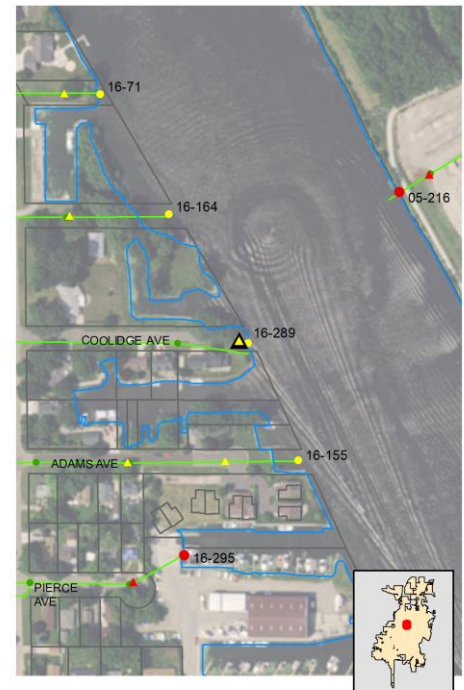
Conductivity (field): -- µS/cm

Detergents: -- mg/L

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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-289 US1.	 o20161018130012.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 8/25/2010 8:24:56 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-289 US1.	 o20100825081912.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-289

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 Precison:

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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171018103536.JPG

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																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.15 units</td> </tr> <tr> <td>Temperature:</td> <td>67 °F</td> </tr> <tr> <td>Conductivity:</td> <td>374 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.15 units	Temperature:	67 °F	Conductivity:	374 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Moderate</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	Moderate	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	8.15 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																																					
		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20161018130212.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																																			

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																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.75 units</td> </tr> <tr> <td>Temperature:</td> <td>73 °F</td> </tr> <tr> <td>Conductivity:</td> <td>-- µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.75 units	Temperature:	73 °F	Conductivity:	-- µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>Slight cloudiness</td> </tr> <tr> <td>Color:</td> <td>Faint in bottle</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>Moderate</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	Slight cloudiness	Color:	Faint in bottle	Gross Solids:	None	Vegetation:	None	Benthic Growth:	Moderate	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.75 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																																					
		Notes <div style="border: 1px solid black; height: 60px; width: 100%;"></div>																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None 0 in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None 0 in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None 0 in.																																					
Damage:	None																																					
			 o20100825081932.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																																			

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



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.

Location Map



Mapping Precision:

Desktop mapping estimate

☒ Not Physically Located

County Coordinates:

Northing: 478,815

Easting: 785,375

Latitude/Longitude:

Latitude: 44.03301

Longitude: -88.56701

Inspection Date: 10/19/2017 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

Physical Condition Assessment

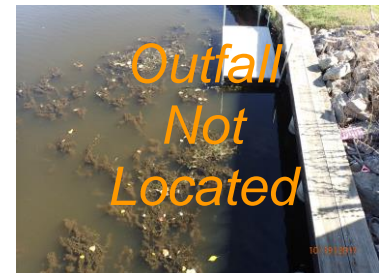
Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



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

Inspection Date: 10/18/2016 9:28:25 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 <p style="text-align: right; font-size: small;">10/18/2016 o20161018092038.JPG</p> <p style="text-align: center; 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 <p style="text-align: right; font-size: small;">09/23/2015 10:32:22 o20150923093118.JPG</p> <p style="text-align: center; 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located - screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 <p style="text-align: right; font-size: small;">10/07/2014 09:08:49 o20141007080736.JPG</p> <p style="text-align: center; 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		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2010 screening follow-up. Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 <p style="text-align: right; font-size: small;">10/11/2011 12:16:32 o20111011121620.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2011</p>	

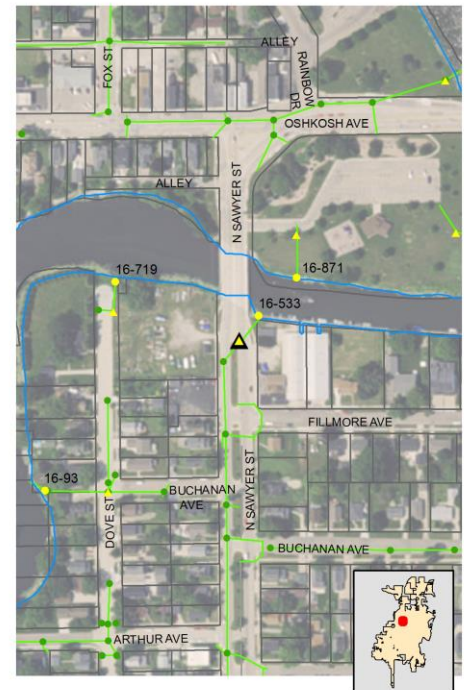
Inspection Date: 8/26/2010 10:11:27 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Fully		Depth (in):	Outfall fully submerged and not physically located. Outfall screened upstream at 16-533 US1.	
Sampling 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:			



o20100826094912.JPG

2010

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-1178

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171019133042.JPG

Outfall Notes:

Upstream manhole located approx 75 ft NE of outfall 16-533. Intermediate area consists of street right-of-way and commercial property.

Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,755

Easting: 785,326

Latitude/Longitude:

Latitude: 44.03284

Longitude: -88.56720

Inspection Date: 10/19/2017 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.

Floatables:

Slight



Petrol. Sheen



Suds



Sewage



Algae



Other

Odor:

None



Petroleum



Musty



Sewage



Chlorine



Other



VOC/Solvent



Fishy



Sulfur



Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Slight



Litter



Debris



Sediment



Other

Vegetation:

None



Inhibited



Excessive

Benthic Growth:

None



Green



Brown

Stains:

None



Flow Line



Oil



Rust Stains



Paint



Other

Non-illicit:

None



Natural Sheen



Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

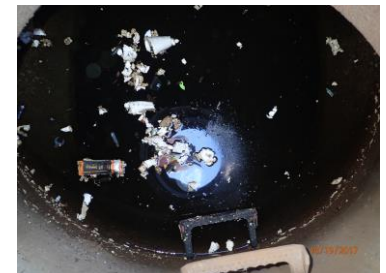
Deposition:

None

Depth (in):

Damage:

None

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

o20171019133054.JPG

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


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

Inspection Date: 9/23/2015 10:32:59 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 36		
Sampling Results 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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

Inspection Date: 10/7/2014 9:13:45 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in): 34		
Sampling Results 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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>	

Inspection Date: 10/11/2011 12:22:21 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
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 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2011</div>	


Inspection Date: 5/26/2011 2:35:00 PM		Type: Other	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes —	
Submerged: Fully		Depth (in):	Limited screening conducted to check for floatable debris.	
Sampling Results —			Condition Assessment —	
Sample Location:	Floatables:	None	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 —	
Submerged: Fully		Depth (in): 36	Floatable debris in manhole.	
Sampling Results —			Condition Assessment —	
Sample Location: Pool	Floatables:	None	Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
Total Chlorine: 0 ppm	Odor:	None		
Free Chlorine: 0 ppm	Turbidity:	None		
Ammonia: 0 ppm	Color:	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:

Northing: 479,419

Easting: 785,894

Latitude/Longitude:

Latitude: 44.03466

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017112242.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

Inspection Date: 10/10/2016 2:04:49 PM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not located -screened upstream at 16-594 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	
			 o20161010140356.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2016</div>	

Inspection Date: 8/19/2010 7:23:24 AM		Type: Ongoing	Flow: Submerged (not located)	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Fully		Depth (in):		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes Outfall fully submerged and not physically located. Outfall screened upstream at 16-594 US1. Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None	
			 o20100819071708.JPG <div style="text-align: center; font-weight: bold; font-size: 1.2em;">2010</div>	

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-594

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):



o20171017112302.JPG

Outfall Notes:

Upstream manhole located approx 60 ft WSW of outfall 16-594. Intermediate area consists of open space in park.

Location Map**Mapping Precison:**

Mapping GPS

☐ Not Physically Located**County Coordinates:**

Northing: 479,381

Easting: 785,842

Latitude/Longitude:

Latitude: 44.03456

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

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

Illicit Discharge Potential: Potential

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Moderate

☒

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



o20171017112318.JPG

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

Inspection Date: 10/10/2016 2:07:20 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Potential		Inspector: JCW																				
Submerged: Fully		Depth (in): 51																				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.25 ppm pH: 7.17 units Temperature: 71 °F Conductivity: 831 µS/cm Detergents: 0 mg/L		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>Easily detected</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	Slight	Odor:	Easily detected	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	Slight																					
Odor:	Easily detected																					
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																				
			 o20161010140454.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>																			

Inspection Date: 8/19/2010 7:26:35 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																				
Submerged: Fully		Depth (in): 51																				
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 7.44 units Temperature: 75 °F Conductivity: -- µS/cm Detergents: 0 mg/L		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>Slight</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>Faint in bottle</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>None</td></tr> <tr><td>Stains:</td><td>None</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>			Floatables:	Slight	Odor:	None	Turbidity:	None	Color:	Faint in bottle	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Floatables:	Slight																					
Odor:	None																					
Turbidity:	None																					
Color:	Faint in bottle																					
Gross Solids:	Slight																					
Vegetation:	None																					
Benthic Growth:	None																					
Stains:	None																					
Non-illicit:	None																					
		Notes 2 small oil drops, likely from Oshkosh Ave runoff.																				
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None																				
			 o20100819071738.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2010</div>																			

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 475,549

Easting: 779,699

Latitude/Longitude:

Latitude: 44.02403

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: Moderate

Deposition: None Depth (in):

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

o20171003141038.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

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):		
Sampling Results		Notes Pipe dry at time of inspection.		
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		



o20120530064618.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:

CMP

City ID:

N/A

Dimensions

Diameter (in): 18

Height/Depth (in):

Width (in):

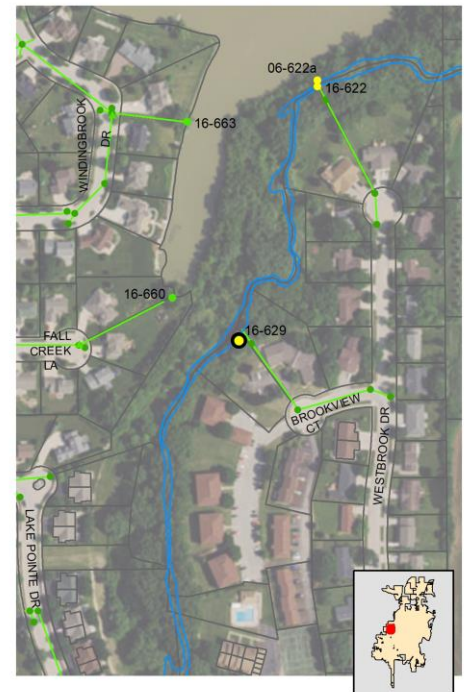


o20171003135720.JPG

Outfall Notes:

Storm sewer from Brookview Ct discharges to stream from south.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 474,931

Easting: 779,495

Latitude/Longitude:

Latitude: 44.02234

Longitude: -88.58935

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".

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None

Depth (in):

Damage: Minor

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

o20171003135740.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

Inspection Date: 5/30/2012 8:08:34 AM		Type: Ongoing		Flow: None		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Pipe wet but no flow at time of inspection.		 o20120530070842.JPG	
Submerged: None		Depth (in):					
Sampling Results				Condition Assessment Graffiti: None Erosion: Minor Deposition: None in. Damage: Minor		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: Slight 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): 48

Height/Depth (in):

Width (in):



o20171017100536.JPG

Outfall Notes:

Storm sewer from Washburn St discharges to stream from south. No GPS under bridge - location approximate. Replaces 16-646 (2012).

Mapping Precison:

Desktop mapping estimate

☐ Not Physically Located

County Coordinates:

Northing:

Easting:

Latitude/Longitude:

Latitude:

Longitude:

Location Map



Inspection Date: 10/17/2017 10:14:25 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. Loose grate.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☒ Cracks/Structural Damage



o20171017100542.JPG

2017

Sampling Results

Sample Location: Flow

Sample ID: 171017-53

Time Collected: 10:10

Total Chlorine (field): 0 ppm

Free Chlorine (field): 0 ppm


Ammonia (field): 0 ppm

pH (field): 8.70 units

Temperature (field): 65 °F

Conductivity (field): 1919 µS/cm

Detergents: 0 mg/L

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):																																					
Sampling Results		Notes Wet but no flow. Minor litter, likely from construction.																																					
<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>Slight</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:	Slight	Temperature -- ° F	Vegetation:	None	Conductivity: -- µS/cm	Benthic Growth:	None	Detergents: -- mg/L	Stains:	None		Non-illicit:	None	Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Graffiti:</td> <td style="width: 50%;">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>			Graffiti:	None	Erosion:	None	Deposition:
Sample Location:	Floatables:	None																																					
Total Chlorine: -- ppm	Odor:	None																																					
Free Chlorine: -- ppm	Turbidity:	None																																					
Ammonia: -- ppm	Color:	None																																					
pH: -- units	Gross Solids:	Slight																																					
Temperature -- ° F	Vegetation:	None																																					
Conductivity: -- µS/cm	Benthic Growth:	None																																					
Detergents: -- mg/L	Stains:	None																																					
	Non-illicit:	None																																					
Graffiti:	None																																						
Erosion:	None																																						
Deposition:	None																																						
Damage:	None																																						
		 <p style="text-align: center; font-size: small;">o20120606112916.JPG</p> <p style="text-align: center; font-size: large; font-weight: bold;">2012</p>																																					

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):

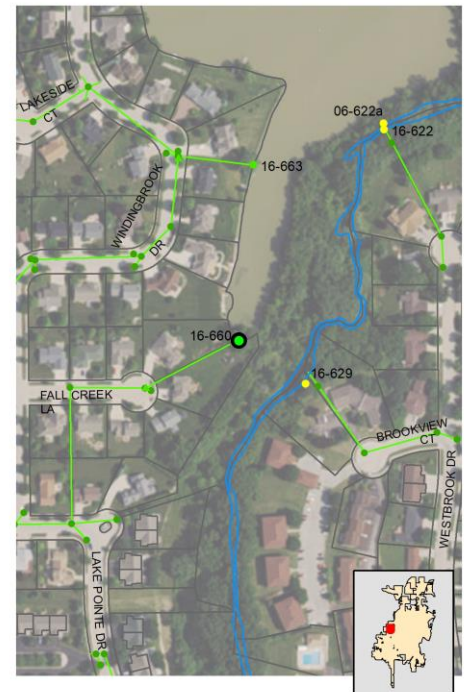


o20171003110154.JPG

Outfall Notes:

Storm sewer from Fall Creek Ln discharges to south end of detention basin.

Location Map



Mapping Precison:

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☒ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171003110156.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

Inspection Date: 5/30/2012 10:59:58 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 10		
Sampling Results		Notes Outfall partially submerged. Outfall screened upstream at 16-660.		
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: Minor 1 in. Damage: None		



o20120530100048.JPG

2012

Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Supplemental - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-660

Dimensions

Diameter (in):

Height/Depth (in):

Width (in):

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171003110644.JPG

Outfall Notes:

Upstream manhole located approx 257 ft WSW of outfall 16-660. Intermediate area consists of residential property.

Location Map**County Coordinates:**

Northing: 474,930

Easting: 779,104

Latitude/Longitude:

Latitude: 44.02233

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

Notes: Repeat inspection due to detergent. No detergent detected in manhole sample.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☐ Green ☒ Brown

Stains: None

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

Non-illicit: None

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

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.26 units</td> </tr> <tr> <td>Temperature:</td> <td>76 °F</td> </tr> <tr> <td>Conductivity:</td> <td>845 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0.55 mg/L</td> </tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.26 units	Temperature:	76 °F	Conductivity:	845 µS/cm	Detergents:	0.55 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Flow																																					
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Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Sample collected from flow in manhole. Detergent detected in sample.																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	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																																				
Submerged: None		Depth (in):																																				
Sampling Results <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Flow</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>8.35 units</td> </tr> <tr> <td>Temperature:</td> <td>59 °F</td> </tr> <tr> <td>Conductivity:</td> <td>1148 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Flow	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	8.35 units	Temperature:	59 °F	Conductivity:	1148 µS/cm	Detergents:	0 mg/L	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Flow																																					
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Temperature:	59 °F																																					
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Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes 																																				
		Condition Assessment <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	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):

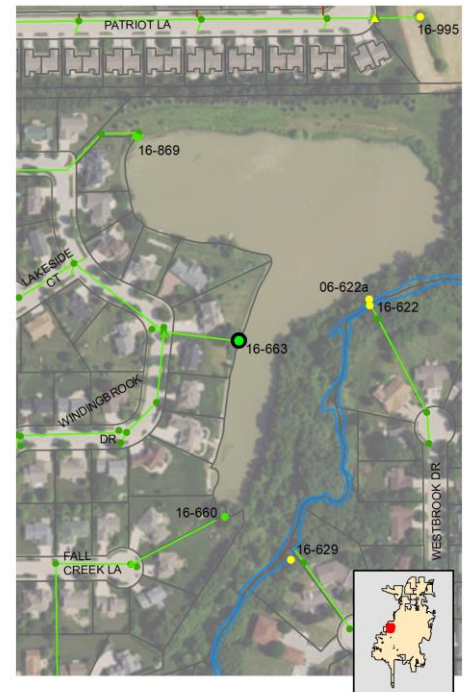


o20171003104602.JPG

Outfall Notes:

Storm sewer from Windingbrook Dr discharges to west side of detention basin.

Location Map



Mapping Precison:

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".

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

Turbidity: None

Color: None

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

o20171003104616.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: 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		
Submerged: Partially		Depth (in): 18		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Outfall partially submerged. Outfall screened upstream at 16-663 US1.	Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None



o20120530094448.JPG

2012

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):

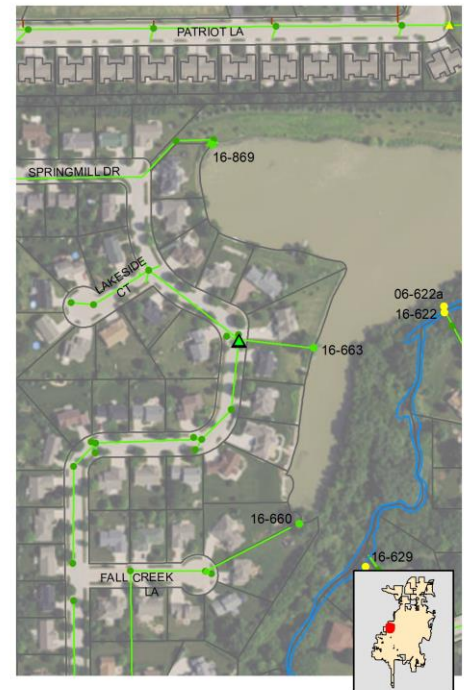
Width (in):



o20171003104950.JPG

Outfall Notes:

Upstream manhole located approx 184 ft WNW of outfall 16-663. Intermediate area consists of residential property.

Location Map**Mapping Precison:**

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

Notes: Sample collected from flow in manhole.

Floatables:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

None

☐

Green

☐

Brown

Stains:

None

☐

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

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		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results		Notes Sample collected from incoming flow (NW pipe).		
Sample Location:	Flow	Floatables:	None	
Total Chlorine:	0 ppm	Odor:	None	
Free Chlorine:	0 ppm	Turbidity:	None	
Ammonia:	0 ppm	Color:	None	
pH:	7.36 units	Gross Solids:	None	
Temperature:	60 °F	Vegetation:	None	
Conductivity:	1146 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		



o20120530095222.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): 18

Height/Depth (in):

Width (in):



o20171017103344.JPG

Outfall Notes:

Koeller St storm sewer discharges to stream from north, between Koeller St and I-41 NB.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing:

Easting:

Latitude/Longitude:

Latitude:

Longitude:

Inspection Date: 10/17/2017 10:39:08 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 48-72

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

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

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017103352.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

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 476,529

Easting: 781,598

Latitude/Longitude:

Latitude: 44.02672

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.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: Slight

☒ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: Slight

☒ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20171017102814.JPG

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

Inspection Date: 10/18/2016 7:21:24 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results 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	Notes Elevated conductivity, but no other parameters out of range.	 o20161018071712.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 9/28/2015 7:20:55 AM		Type: Ongoing	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results Sample Location: -- Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Flowline wet, but no flow at time of inspection.	 o20150928062340.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Inspection Date: 6/6/2012 11:50:55 AM		Type: Ongoing	Flow: Trickle	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in):		
Sampling Results 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	Notes	 o20120606105408.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		

Non-Priority 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): 36

Height/Depth (in):

Width (in):



o20171003103306.JPG

Outfall Notes:

Storm sewer from Springmill Dr discharges to northwest corner of detention basin.

Location Map



Mapping Precison:

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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☒ Brown

Stains: ☒ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti: Erosion: Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171003103318.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

Inspection Date: 5/30/2012 10:27:00 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged and not accessible for full screening. Screened upstream at 16-869 US1.		 o20120530092740.JPG	
Submerged: Partially		Depth (in): 32					
Sampling Results				Condition Assessment Graffiti: Erosion: None Deposition: None in. Damage: None		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: Slight Non-illicit: None					

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 Precison:

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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

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

o20171003103534.JPG

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

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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 Precison:

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.

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

o20171003095924.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

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.		 o20120606120050.JPG	
Submerged: Partially		Depth (in): 6					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: Minor		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight 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 Precison:

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 ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☒ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: Erosion: Deposition: Depth (in):Damage: ☐ 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		
Submerged: None		Depth (in):		
Sampling Results		Notes		
Sample Location:		Wet but no flow at time of inspection.		
Total Chlorine:	-- ppm	Floatables:	None	
Free Chlorine:	-- ppm	Odor:	None	
Ammonia:	-- ppm	Turbidity:	None	
pH:	-- units	Color:	None	
Temperature:	-- °F	Gross Solids:	Slight	
Conductivity:	-- µS/cm	Vegetation:	None	
Detergents:	-- mg/L	Benthic Growth:	None	
		Stains:	Slight	
		Non-illicit:	None	
		Condition Assessment		
		Graffiti:	None	
		Erosion:	None	
		Deposition:	None	in.
		Damage:	None	



o20120606120914.JPG

2012

Non-Priority Non-Major Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Minor Outfall

Shape:

Pipe - Circular

Material:

HDPE

City ID:

N/A

Dimensions

Diameter (in): 30

Height/Depth (in):

Width (in):



o20171003101606.JPG

Outfall Notes:

Storm sewer from Patriot Ln discharges to swale/dry pond that discharges to wet pond.

Location Map



Mapping Precison:

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.

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

o20171003101614.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

Inspection Date: 6/6/2012 1:21:40 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 9		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes No flow leaving pool at end of outfall. Deposition in swale downstream. Screened upstream at 16-995 US1.	 o20120606122140.JPG 2012
		Condition Assessment Graffiti: None Erosion: None Deposition: Moderate 8 in. Damage: None		

Location Map



Structure Type:

Manhole

Discharge Location:

Downstream Outfall

NR 216 Class:

Minor Outfall - Alternate Location

Shape:

Manhole/Catchbasin

Material:

Manhole - concrete

City ID:

16-995

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 Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 476,251

Easting: 779,723

Latitude/Longitude:

Latitude: 44.02596

Longitude: -88.58849

Inspection Date: 10/17/2017 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.

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

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

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

Color:

Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: ☐ Inhibited ☐ Excessive

Benthic Growth: ☐ Green ☐ Brown

Stains: ☐ Flow Line ☐ Oil ☐ Rust Stains

☐ Paint ☐ Other

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

Physical Condition Assessment

Graffiti:

Erosion:

Deposition: Depth (in):

Damage: ☐ Displacement ☐ Undercut ☐ Crushed

☐ Corrosion ☐ Cracks/Structural Damage



o20171017084622.JPG

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

Inspection Date: 10/3/2017 10:22:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 3																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.45 units</td> </tr> <tr> <td>Temperature:</td> <td>72 °F</td> </tr> <tr> <td>Conductivity:</td> <td>333 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>1.3 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.45 units	Temperature:	72 °F	Conductivity:	333 µS/cm	Detergents:	1.3 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>None</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>None</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>None</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	None	Vegetation:	None	Benthic Growth:	None	Stains:	None	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.45 units																																					
Temperature:	72 °F																																					
Conductivity:	333 µS/cm																																					
Detergents:	1.3 mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	None																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	None																																					
Non-illicit:	None																																					
		Notes Sample collected from submerged pool in outfall. Detergent detected in sample.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20171003101932.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2017</div>																																			

Inspection Date: 6/6/2012 1:28:22 PM		Type: Ongoing	Flow: Submerged, no flow	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: None		Depth (in): 1																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Sample Location:</td> <td>Pool</td> </tr> <tr> <td>Total Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Free Chlorine:</td> <td>0 ppm</td> </tr> <tr> <td>Ammonia:</td> <td>0 ppm</td> </tr> <tr> <td>pH:</td> <td>7.36 units</td> </tr> <tr> <td>Temperature:</td> <td>69 °F</td> </tr> <tr> <td>Conductivity:</td> <td>411 µS/cm</td> </tr> <tr> <td>Detergents:</td> <td>0 mg/L</td> </tr> </table>		Sample Location:	Pool	Total Chlorine:	0 ppm	Free Chlorine:	0 ppm	Ammonia:	0 ppm	pH:	7.36 units	Temperature:	69 °F	Conductivity:	411 µS/cm	Detergents:	0 mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Floatables:</td> <td>None</td> </tr> <tr> <td>Odor:</td> <td>Faint</td> </tr> <tr> <td>Turbidity:</td> <td>None</td> </tr> <tr> <td>Color:</td> <td>None</td> </tr> <tr> <td>Gross Solids:</td> <td>Slight</td> </tr> <tr> <td>Vegetation:</td> <td>None</td> </tr> <tr> <td>Benthic Growth:</td> <td>None</td> </tr> <tr> <td>Stains:</td> <td>Slight</td> </tr> <tr> <td>Non-illicit:</td> <td>None</td> </tr> </table>			Floatables:	None	Odor:	Faint	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	None	Stains:	Slight	Non-illicit:	None
Sample Location:	Pool																																					
Total Chlorine:	0 ppm																																					
Free Chlorine:	0 ppm																																					
Ammonia:	0 ppm																																					
pH:	7.36 units																																					
Temperature:	69 °F																																					
Conductivity:	411 µS/cm																																					
Detergents:	0 mg/L																																					
Floatables:	None																																					
Odor:	Faint																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	None																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Notes Sample collected from pool in manhole. No flow entering either pipe.																																				
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Graffiti:</td> <td>None</td> </tr> <tr> <td>Erosion:</td> <td>None</td> </tr> <tr> <td>Deposition:</td> <td>None in.</td> </tr> <tr> <td>Damage:</td> <td>None</td> </tr> </table>			Graffiti:	None	Erosion:	None	Deposition:	None in.	Damage:	None																										
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None in.																																					
Damage:	None																																					
			 o20120606122856.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>																																			

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:

Northing: 478,412

Easting: 779,958

Latitude/Longitude:

Latitude: 44.03189

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.

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:

Slight

☒

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171003085726.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

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		
Submerged: Partially		Depth (in): 3		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None	Notes Outfall partially submerged. Sample not collected due to screening of upstream outfalls.	
		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		
			 o20120621114152.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	

Inspection Date: 9/8/2009		Type: Initial	Flow: None	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: None		Depth (in): 0		
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: Odor: Turbidity: Color: Gross Solids: Vegetation: Benthic Growth: Stains: Non-illicit: None	Notes	
		Condition Assessment Graffiti: None Erosion: None Deposition: None 0 in. Damage: None		
			 Osh09_DSCN6576.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2009</div>	

Priority Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in): 15

Height/Depth (in):

Width (in):

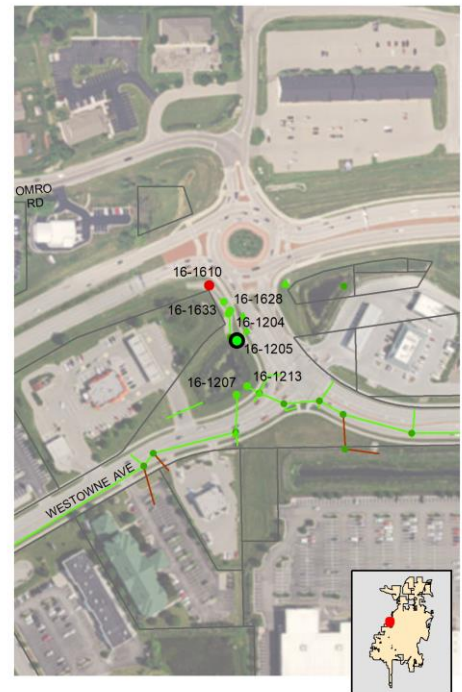


o20171003090108.JPG

Outfall Notes:

Curb inlet from Washburn St discharges to northeast corner of detention basin.

Location Map



Mapping Precison:

Mapping GPS

☐ Not Physically Located

County Coordinates:

Northing: 478,346

Easting: 779,977

Latitude/Longitude:

Latitude: 44.03170

Longitude: -88.58753

Inspection Date: 10/3/2017 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 ☐ OtherOdor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

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

Inspection Date: 10/18/2016 7:06:22 AM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Unlikely		Inspector: JCW		Notes Outfall partially submerged - screened upstream at 16-1205 US1.		 o20161018070408.JPG	
Submerged: Partially Depth (in): 2							
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
						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		Notes Outfall partially submerged - screened at 16-1205 US1.		 o20150928053734.JPG	
Submerged: Partially Depth (in): 3							
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
						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		Notes Outfall fully submerged; screened upstream at 16-1205 US1.		 o20120621113440.JPG	
Submerged: Fully Depth (in): 21							
Sampling Results Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature -- ° F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			
						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):

Mapping Precison:

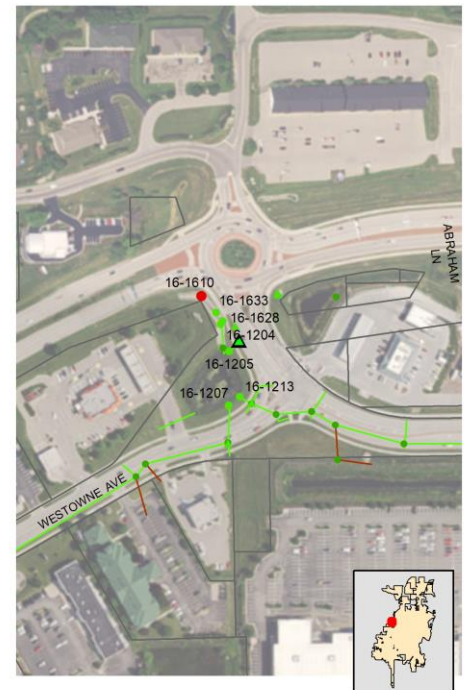
Mapping GPS

☐ Not Physically Located

o20171003090242.JPG

Outfall Notes:

Upstream curb inlet located approx 36 ft NE of outfall 16-1205. Intermediate area consists of open space.



County Coordinates:

Northing: 478,371

Easting: 780,002

Latitude/Longitude:

Latitude: 44.03177

Longitude: -88.58744

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.

Floatables:

None

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

Odor:

None

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

Turbidity:

None

Color:

None

Gross Solids:

None

☐ Litter☐ Debris☐ Sediment☐ Other

Vegetation:

None

☐ Inhibited☐ Excessive

Benthic Growth:

None

☐ Green☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

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

o20171003090254.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

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.		 o20161018070720.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: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		<div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>	

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.		 o20150928054310.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: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		<div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>	

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.		 o20120621113808.JPG	
Submerged: Fully		Depth (in): 32					
Sampling Results Sample Location: _____ Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm 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		<div style="text-align: center; font-size: 24pt; font-weight: bold;">2012</div>	

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 29

Width (in): 45

Mapping Precison:

Mapping GPS

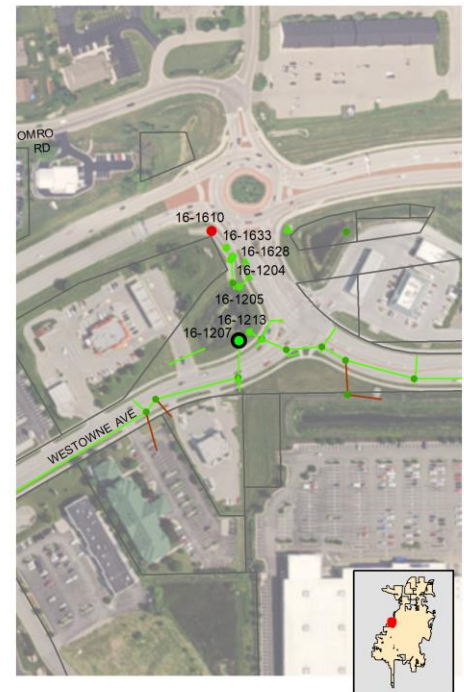
☐ Not Physically Located

o20171003091050.JPG

Outfall Notes:

Storm sewer from Westowne Ave discharges to south side of detention basin.

Location Map



County Coordinates:

Northing: 478,213

Easting: 779,974

Latitude/Longitude:

Latitude: 44.03134

Longitude: -88.58755

Inspection Date: 10/3/2017 9:20:31 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, no flow

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: Unlikely

Notes: Wet sediment on apron; pipe dry 10 ft from end - no sample collected.

Floatables: None

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

Odor: None

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

Turbidity: None

Color: None

Gross Solids: None

☐ Litter ☐ Debris ☐ Sediment ☐ Other

Vegetation: None

☐ Inhibited ☐ Excessive

Benthic Growth: None

☐ Green ☐ Brown

Stains: None

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

Non-illicit: None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

o20171003091754.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

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		Notes Outfall partially submerged; screened upstream at 16-1207 US1.		 o20120621112356.JPG	
Submerged: Partially		Depth (in): 21					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 24

Width (in): 38

Mapping Precison:

Mapping GPS

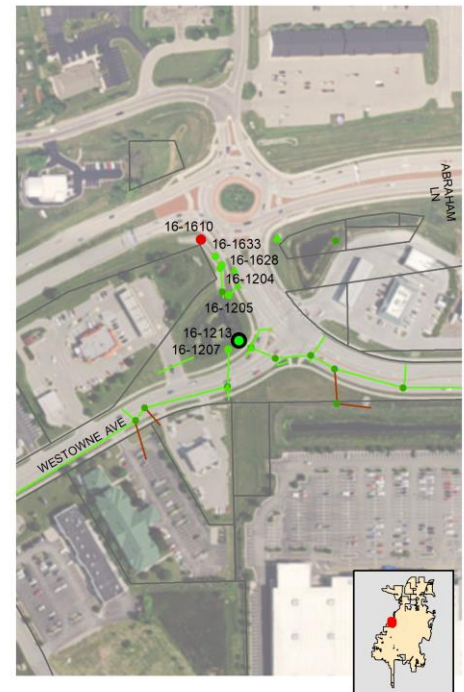
☐ Not Physically Located

o20171003091032.JPG

Outfall Notes:

Storm sewer from Washburn St discharges to southeast corner of detention basin.

Location Map



Inspection Date: 10/3/2017 9:16:32 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: None

Submerged: None

Depth (in):

Illicit Discharge Potential: Unlikely

Notes: Wet sediment on apron; pipe dry 4 ft from end. No sample collected.

Floatables:

None

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

Odor:

None

☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other

☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity:

None

Color:

None

Gross Solids:

Slight

☒ Litter ☒ Debris ☐ Sediment ☐ Other

Vegetation:

None

☐ Inhibited ☐ Excessive

Benthic Growth:

Slight

☒ Green ☐ Brown

Stains:

None

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

Non-illicit:

None

☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

Minor

Depth (in): 1

Damage:

None

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


o20171003091342.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

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		Notes Outfall partially submerged; screened upstream at 16-1213 US1.		 o20120621112854.JPG	
Submerged: Partially		Depth (in): 21					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None					

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

Dimensions

Diameter (in):

Height/Depth (in):

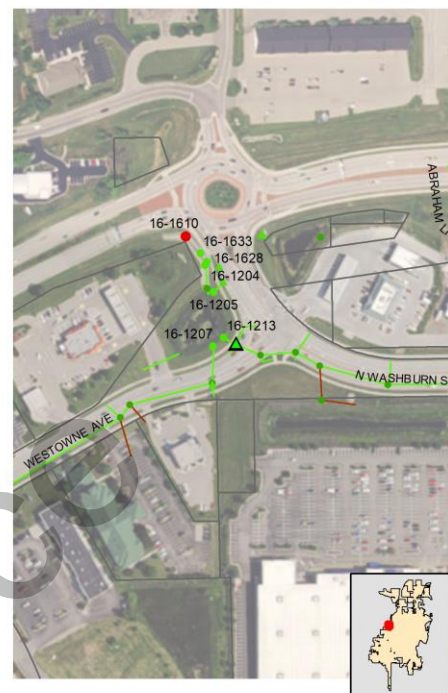
Width (in):



o20120621113050.JPG

Outfall Notes:

Upstream manhole located approx 34 ft ESE of outfall 16-1213. Intermediate area consists of open space.



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

Notes:

Submerged: Partially Depth (in): 21

Illicit Discharge Potential: Unlikely

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

Turbidity: None

Color: None

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

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

o20120621113054.JPG

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

Priority Outfall

Structure Type:

Closed Pipe Outfall

Discharge Location:

Water of the State

NR 216 Class:

Major Outfall

Shape:

Pipe - Circular

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 44

Width (in): 72

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171017104630.JPG

Outfall Notes:

Westfield St storm sewer discharges to stream from south. Replaces outfall 16-487 (2011).

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

Turbidity: None

Color: None

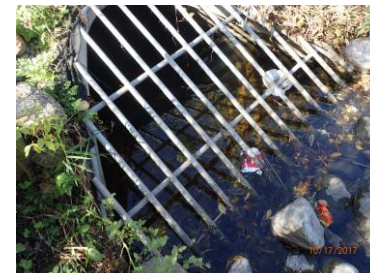
Gross Solids: Slight ☒ Litter ☒ Debris ☐ Sediment ☐ OtherVegetation: None ☐ Inhibited ☐ ExcessiveBenthic Growth: Moderate ☒ Green ☐ BrownStains: None ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: None Depth (in):

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

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


Inspection Date: 10/18/2016 7:30:34 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Unlikely		Inspector: JCW																																				
Submerged: Partially		Depth (in): 21																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Slight	Non-illicit:	None	Notes Graffiti on south bridge abutment. Outfall partially submerged - screened upstream at 16-1508 US1.	 o20161018072836.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>Moderate</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	Moderate	Erosion:	None	Deposition:	None	Damage:	None	in.																											
Graffiti:	Moderate																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
				2016																																		

Inspection Date: 9/28/2015 6:56:23 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 27																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Slight</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Slight	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Moderate	Non-illicit:	None	Notes Outfall partially submerged - screened at 16-1508 US1. Elevated ammonia.	 o20150928055850.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Slight																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None	in.																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
				2015																																		

Inspection Date: 10/7/2014 10:55:47 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72																																		
Illicit Discharge Potential: Potential		Inspector: JCW																																				
Submerged: Partially		Depth (in): 23																																				
Sampling Results <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Slight</td></tr> <tr><td>Stains:</td><td>Slight</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Slight	Stains:	Slight	Non-illicit:	None	Notes Outfall partially submerged - screened upstream at 16-1508 US1.	 o20141007095432.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Moderate																																					
Vegetation:	None																																					
Benthic Growth:	Slight																																					
Stains:	Slight																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None	in.																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
				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 <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Sample Location:</td><td></td></tr> <tr><td>Total Chlorine:</td><td>-- ppm</td></tr> <tr><td>Free Chlorine:</td><td>-- ppm</td></tr> <tr><td>Ammonia:</td><td>-- ppm</td></tr> <tr><td>pH:</td><td>-- units</td></tr> <tr><td>Temperature:</td><td>-- ° F</td></tr> <tr><td>Conductivity:</td><td>-- µS/cm</td></tr> <tr><td>Detergents:</td><td>-- mg/L</td></tr> </table>		Sample Location:		Total Chlorine:	-- ppm	Free Chlorine:	-- ppm	Ammonia:	-- ppm	pH:	-- units	Temperature:	-- ° F	Conductivity:	-- µS/cm	Detergents:	-- mg/L	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Floatables:</td><td>None</td></tr> <tr><td>Odor:</td><td>None</td></tr> <tr><td>Turbidity:</td><td>None</td></tr> <tr><td>Color:</td><td>None</td></tr> <tr><td>Gross Solids:</td><td>Moderate</td></tr> <tr><td>Vegetation:</td><td>None</td></tr> <tr><td>Benthic Growth:</td><td>Moderate</td></tr> <tr><td>Stains:</td><td>Moderate</td></tr> <tr><td>Non-illicit:</td><td>None</td></tr> </table>	Floatables:	None	Odor:	None	Turbidity:	None	Color:	None	Gross Solids:	Moderate	Vegetation:	None	Benthic Growth:	Moderate	Stains:	Moderate	Non-illicit:	None	Notes Significant duckweed. Outfall partially submerged. Outfall screened upstream at 16-1508 US1.	 o20130905113702.JPG
Sample Location:																																						
Total Chlorine:	-- ppm																																					
Free Chlorine:	-- ppm																																					
Ammonia:	-- ppm																																					
pH:	-- units																																					
Temperature:	-- ° F																																					
Conductivity:	-- µS/cm																																					
Detergents:	-- mg/L																																					
Floatables:	None																																					
Odor:	None																																					
Turbidity:	None																																					
Color:	None																																					
Gross Solids:	Moderate																																					
Vegetation:	None																																					
Benthic Growth:	Moderate																																					
Stains:	Moderate																																					
Non-illicit:	None																																					
		Condition Assessment <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Graffiti:</td><td>None</td></tr> <tr><td>Erosion:</td><td>None</td></tr> <tr><td>Deposition:</td><td>None</td></tr> <tr><td>Damage:</td><td>None</td></tr> </table>	Graffiti:	None	Erosion:	None	Deposition:	None	Damage:	None	in.																											
Graffiti:	None																																					
Erosion:	None																																					
Deposition:	None																																					
Damage:	None																																					
				2013																																		


Inspection Date: 9/27/2012 12:57:15 PM		Type: Repeat	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 15			Construction around outfall. Screened upstream at 16-1508 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: Moderate 9 in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	Slight		
Temperature -- °F	Vegetation:	None		
Conductivity: -- µS/cm	Benthic Growth:	Slight		
Detergents: -- mg/L	Stains:	Slight		
	Non-illicit:	None		



o20120927115922.JPG

2012

Inspection Date: 5/30/2012 1:02:54 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW	Notes	
Submerged: Partially Depth (in): 33			Outfall partially submerged. Outfall screened upstream at 16-1508 US1.	
Sampling Results			Condition Assessment	
Sample Location:	Floatables:	None	Graffiti: None	
Total Chlorine: -- ppm	Odor:	None	Erosion: None	
Free Chlorine: -- ppm	Turbidity:	None	Deposition: None in.	
Ammonia: -- ppm	Color:	None	Damage: None	
pH: -- units	Gross Solids:	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 Precison:**

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.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☐ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam**Physical Condition Assessment**Graffiti: Erosion: Deposition: Depth (in):Damage: ☐ Displacement ☐ Undercut ☐ Crushed☐ Corrosion ☐ Cracks/Structural Damage

o20171017105014.JPG

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		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.11 units Temperature: 64 °F Conductivity: 1020 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: None Vegetation: None Benthic Growth: Moderate Stains: None Non-illicit: None	Notes Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20161018073934.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2016</div>


Inspection Date: 9/28/2015 7:00:26 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 23		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 7.28 units Temperature: 69 °F Conductivity: 1032 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: Slight cloudiness Color: None Gross Solids: Slight Vegetation: None Benthic Growth: Moderate Stains: Moderate Non-illicit: None	Notes Elevated ammonia. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20150928060258.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2015</div>

Inspection Date: 10/7/2014 11:02:53 AM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 48-72
Illicit Discharge Potential: Potential		Inspector: JCW		
Submerged: Partially		Depth (in): 22		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 8.1 units Temperature: -- °F Conductivity: 1387 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: Slight Stains: Slight Non-illicit: None	Notes Elevated ammonia. Park restrooms shut down for season. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20141007095952.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2014</div>

Inspection Date: 9/5/2013 12:37:35 PM		Type: Ongoing	Flow: Submerged, indeterminate	Previous Rainfall (hrs): 72+
Illicit Discharge Potential: Unlikely		Inspector: JCW		
Submerged: Partially		Depth (in): 27		
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0.5 ppm pH: 7.82 units Temperature: 86 °F Conductivity: 754 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None	Notes 2012 ammonia detection follow-up. Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None	 o20130905114422.JPG <div style="text-align: center; font-size: 24pt; font-weight: bold;">2013</div>

Inspection Date: 9/27/2012 12:51:46 PM		Type: Repeat		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p>o20120927115358.JPG</p> <p>2012</p>	
Submerged: Partially		Depth (in): 9		Ammonia detection follow-up.			
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 3 ppm pH: 7.8 units Temperature: 65 °F Conductivity: 1408 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			

Inspection Date: 6/6/2012 11:27:15 AM		Type: Repeat		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p>o20120606102704.JPG</p> <p>2012</p>	
Submerged: Partially		Depth (in):		Ammonia detection follow-up. Limited screening conducted.			
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 0 ppm pH: 8.21 units Temperature: 72 °F Conductivity: 1088 µS/cm Detergents: 0 mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: None Stains: None Non-illicit: None		Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None			

Inspection Date: 5/30/2012 1:14:06 PM		Type: Ongoing		Flow: Submerged, indeterminate		Previous Rainfall (hrs): 72+	
Illicit Discharge Potential: Potential		Inspector: JCW		Notes		 <p>o20120530121440.JPG</p> <p>2012</p>	
Submerged: Partially		Depth (in): 29					
Sampling Results Sample Location: Pool Total Chlorine: 0 ppm Free Chlorine: 0 ppm Ammonia: 1 ppm pH: 7.9 units Temperature: 64 °F Conductivity: 1097 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			

Non-Priority Non-Major Outfall

Structure Type:

Pond Inlet

Discharge Location:

MS4 Stormwater Facility

NR 216 Class:

Supplemental Outfall

Shape:

Pipe - Elliptical

Material:

RCP

City ID:

N/A

Dimensions

Diameter (in):

Height/Depth (in): 19

Width (in): 30

Mapping Precison:

Mapping GPS

☐ Not Physically Located

o20171003092444.JPG

Outfall Notes:

Storm sewer from Washburn St discharges to riprap swale from east.

County Coordinates:

Northing: 478,441

Easting: 779,947

Latitude/Longitude:

Latitude: 44.03197

Longitude: -88.58765

Location Map



Inspection Date: 10/3/2017 9:32:27 AM

Inspector: JCW

Inspection Type: Ongoing

Previous Rainfall (hrs): 72+

Flow Description: Submerged, indeterminate

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: Unlikely

Notes: Wet sediment on apron and in pipe. Outfall screened upstream at 16-1633 US1.

Floatables: ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ OtherOdor: ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ FragrantTurbidity: Color: Gross Solids: ☒ Litter ☐ Debris ☐ Sediment ☐ OtherVegetation: ☐ Inhibited ☐ ExcessiveBenthic Growth: ☐ Green ☐ BrownStains: ☐ Flow Line ☐ Oil ☐ Rust Stains☐ Paint ☐ OtherNon-illicit: ☐ Natural Sheen ☐ Natural Suds/Foam

Physical Condition Assessment

Graffiti: None

Erosion: None

Deposition: Minor Depth (in): 1

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

o20171003092500.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

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.		 o20120621115346.JPG	
Submerged: Partially		Depth (in): 5					
Sampling Results				Condition Assessment Graffiti: None Erosion: None Deposition: None in. Damage: None		2012	
Sample Location: Total Chlorine: -- ppm Free Chlorine: -- ppm Ammonia: -- ppm pH: -- units Temperature: -- °F Conductivity: -- µS/cm Detergents: -- mg/L		Floatables: None Odor: None Turbidity: None Color: None Gross Solids: None Vegetation: None Benthic Growth: 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

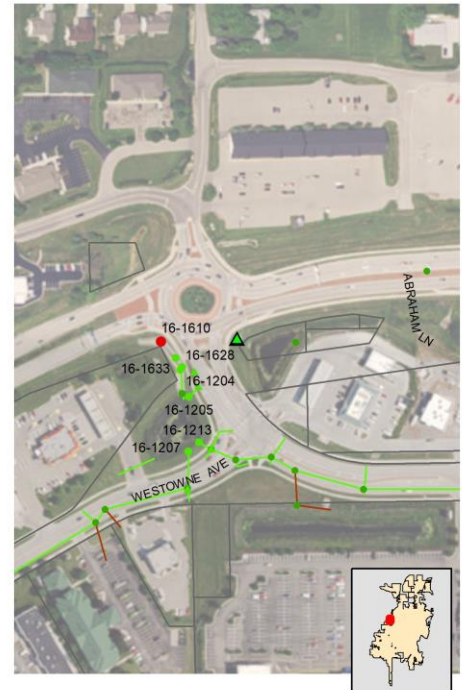
Width (in): 29



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:

None

☐

Petrol. Sheen

☐

Suds

☐

Sewage

☐

Algae

☐

Other

Odor:

None

☐

Petroleum

☐

Musty

☐

Sewage

☐

Chlorine

☐

Other

☐

VOC/Solvent

☐

Fishy

☐

Sulfur

☐

Fragrant

Turbidity:

None

Color:

None

Gross Solids:

None

☐

Litter

☐

Debris

☐

Sediment

☐

Other

Vegetation:

None

☐

Inhibited

☐

Excessive

Benthic Growth:

Moderate

☒

Green

☐

Brown

Stains:

Slight

☒

Flow Line

☐

Oil

☐

Rust Stains

☐

Paint

☐

Other

Non-illicit:

None

☐

Natural Sheen

☐

Natural Suds/Foam

Physical Condition Assessment

Graffiti:

None

Erosion:

None

Deposition:

None

Depth (in):

Damage:

None

☐

Displacement

☐

Undercut

☐

Crushed

☐

Corrosion

☐

Cracks/Structural Damage



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

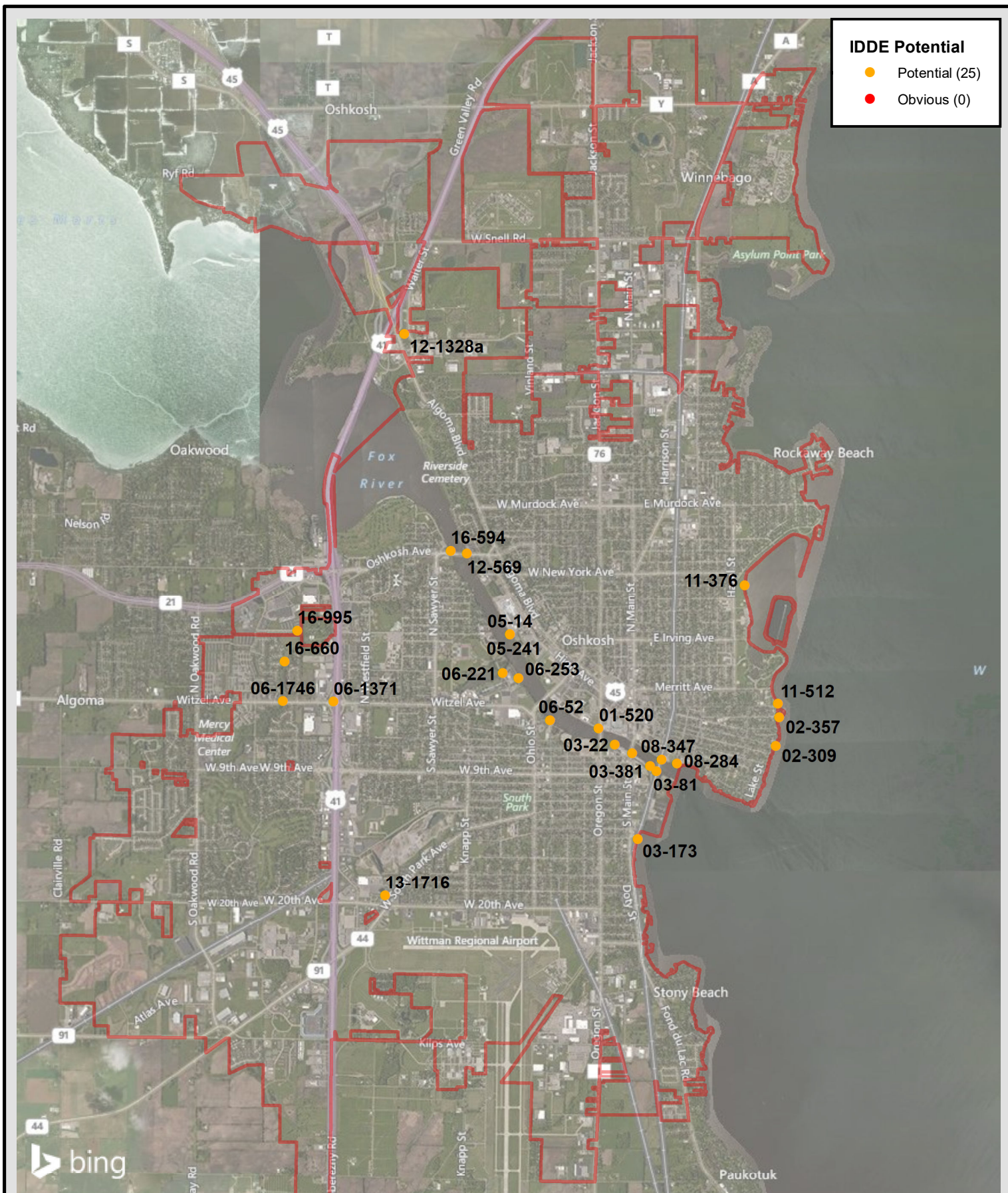
Conductivity (field): 1885 µS/cm

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



Omni
ASSOCIATES

ONE SYSTEMS DRIVE
APPLETON, WI 54914

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



2017 IDDE ONGOING SCREENING PROGRAM

**OUTFALLS WITH POTENTIAL
ILLICIT DISCHARGES**

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

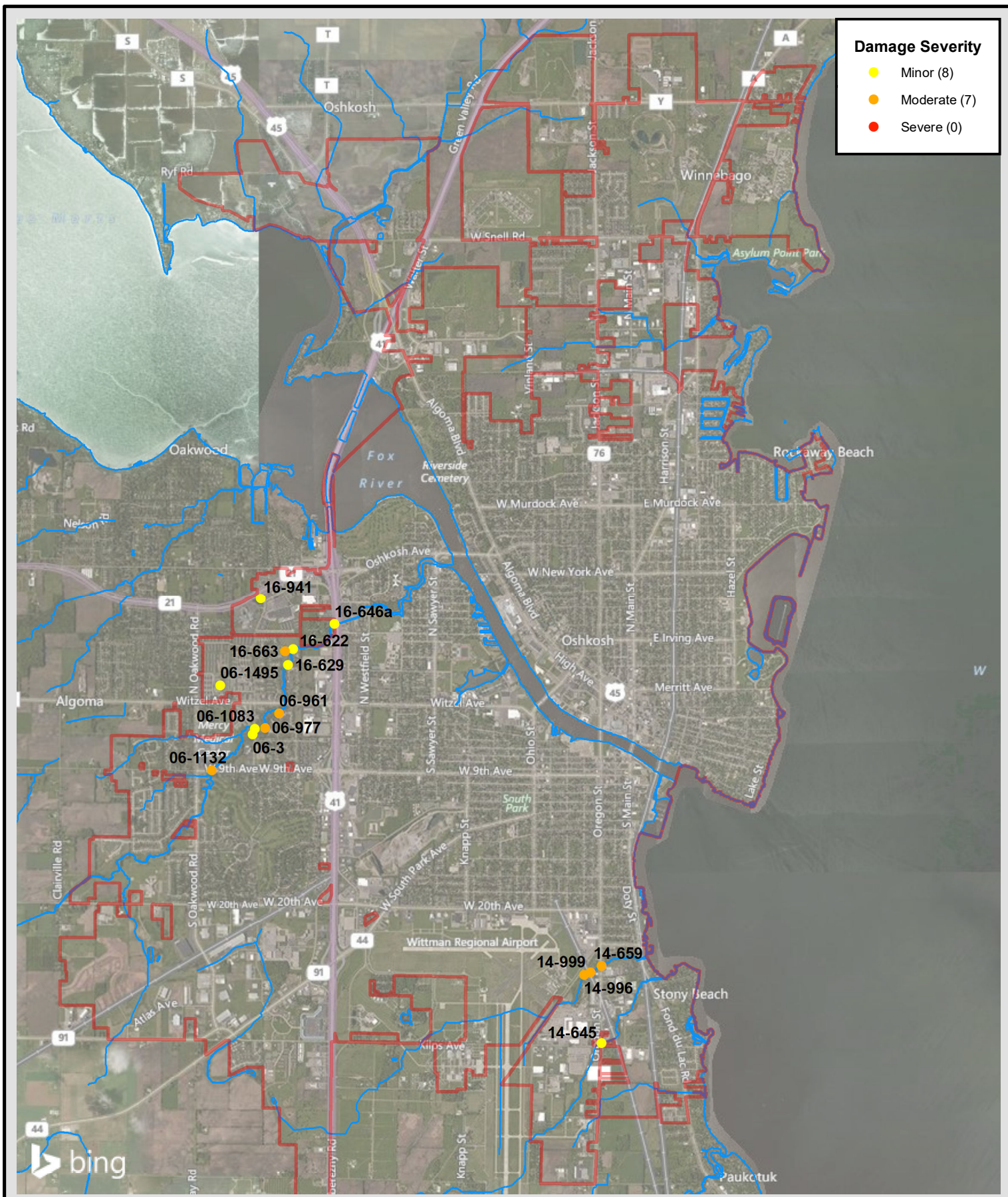
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

SCALE:
1" = 5,047'

PROJECT NO.
N2029C17

FIGURE NO.
C-1



Damage Severity

- Minor (8)
- Moderate (7)
- Severe (0)



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



2017 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DAMAGE

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

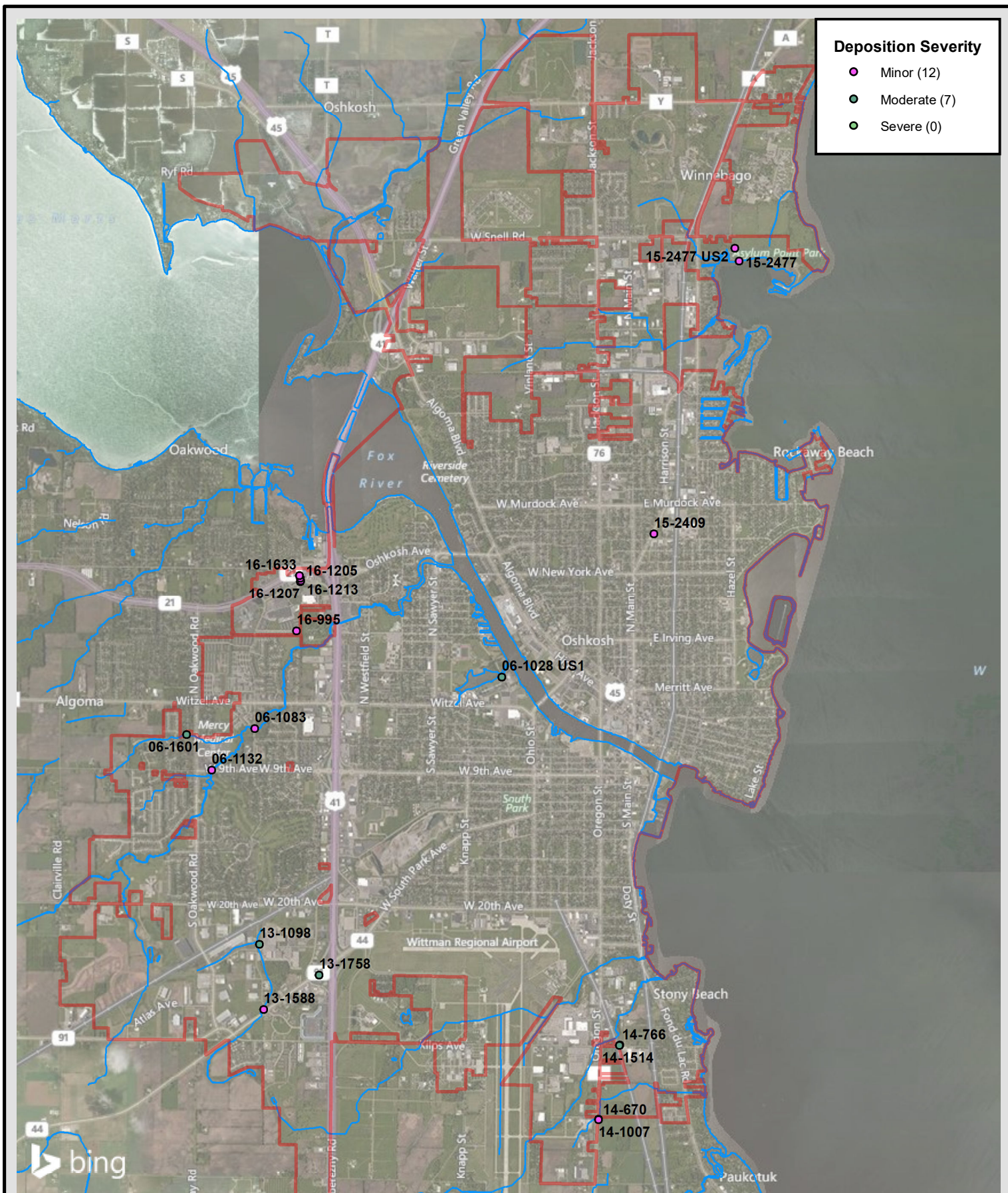
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

SCALE:
1" = 7,000'

PROJECT NO.
N2029C17

FIGURE NO.
C-2



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM OUTFALLS WITH DEPOSITION

CITY OF OSHKOSH
WINNEBAGO COUNTY, WISCONSIN

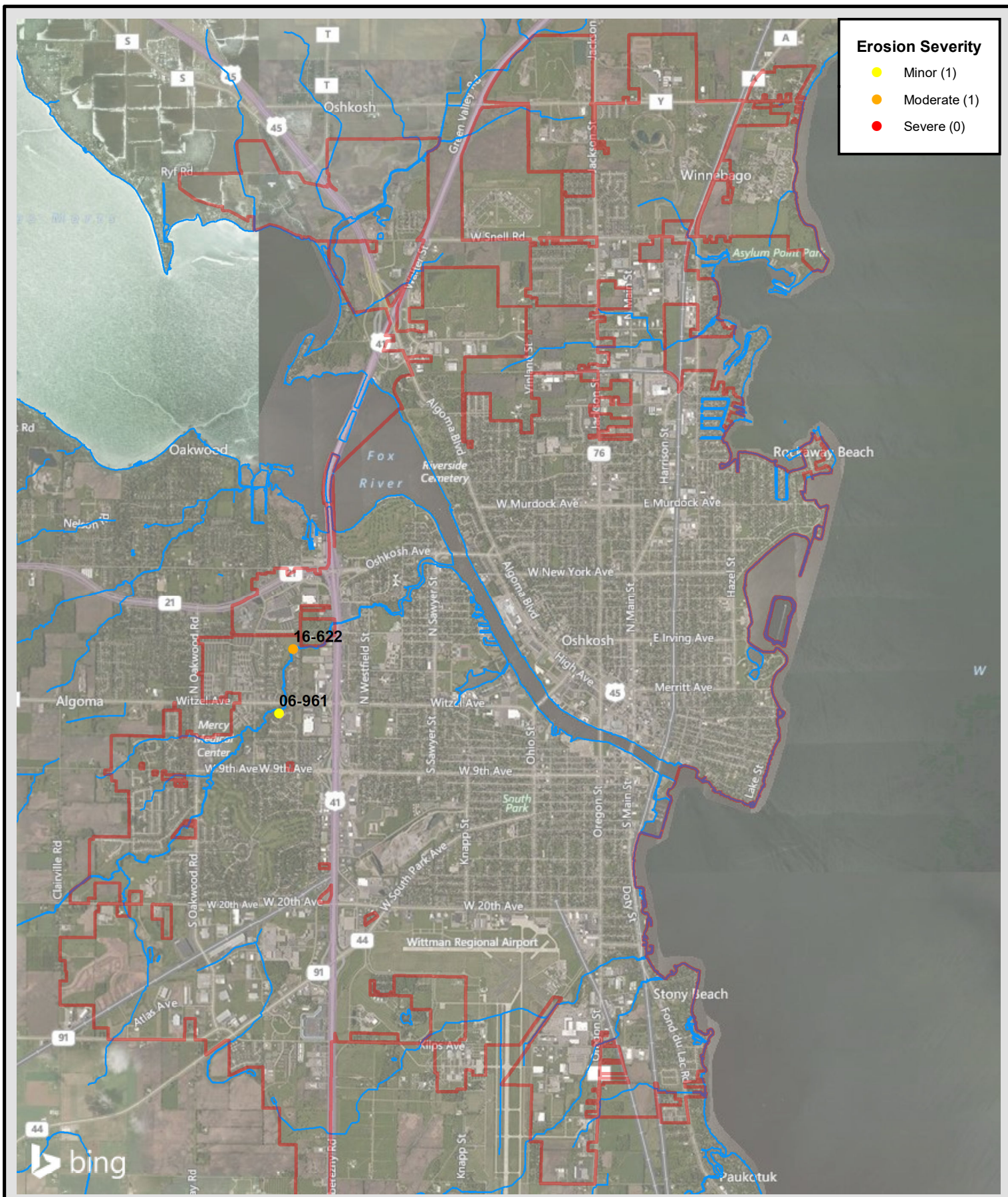
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/23/2018

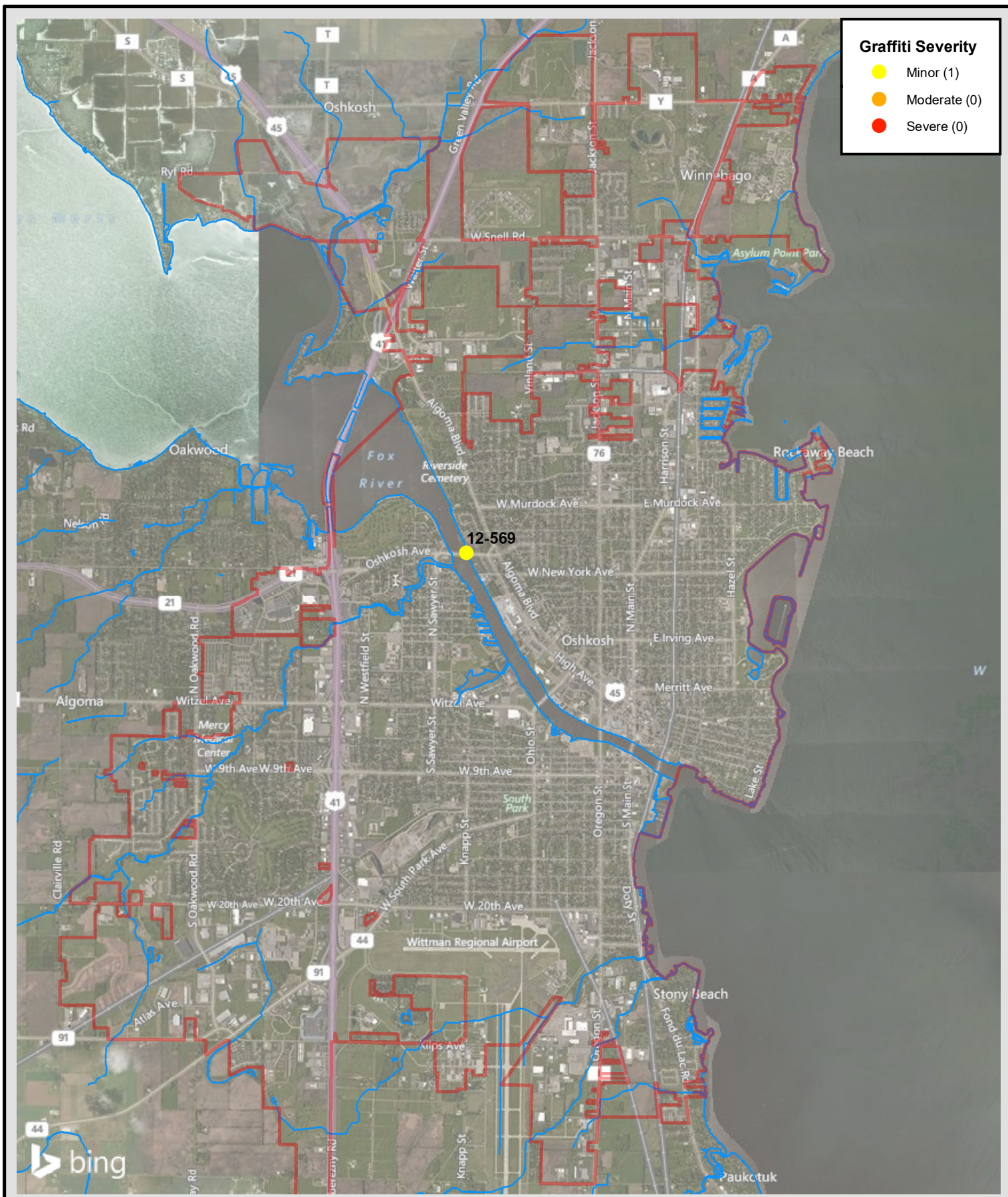
SCALE:
1" = 7,000'



PROJECT NO.
N2029C17

FIGURE NO.
C-3



 <p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p>2017 IDDE ONGOING SCREENING PROGRAM</p> <p>OUTFALLS WITH EROSION</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p> <p>Date: 1/23/2018</p>	<p>SCALE: 1" = 7,000'</p> <p>PROJECT NO. N2029C17</p> <p>FIGURE NO. C-4</p>
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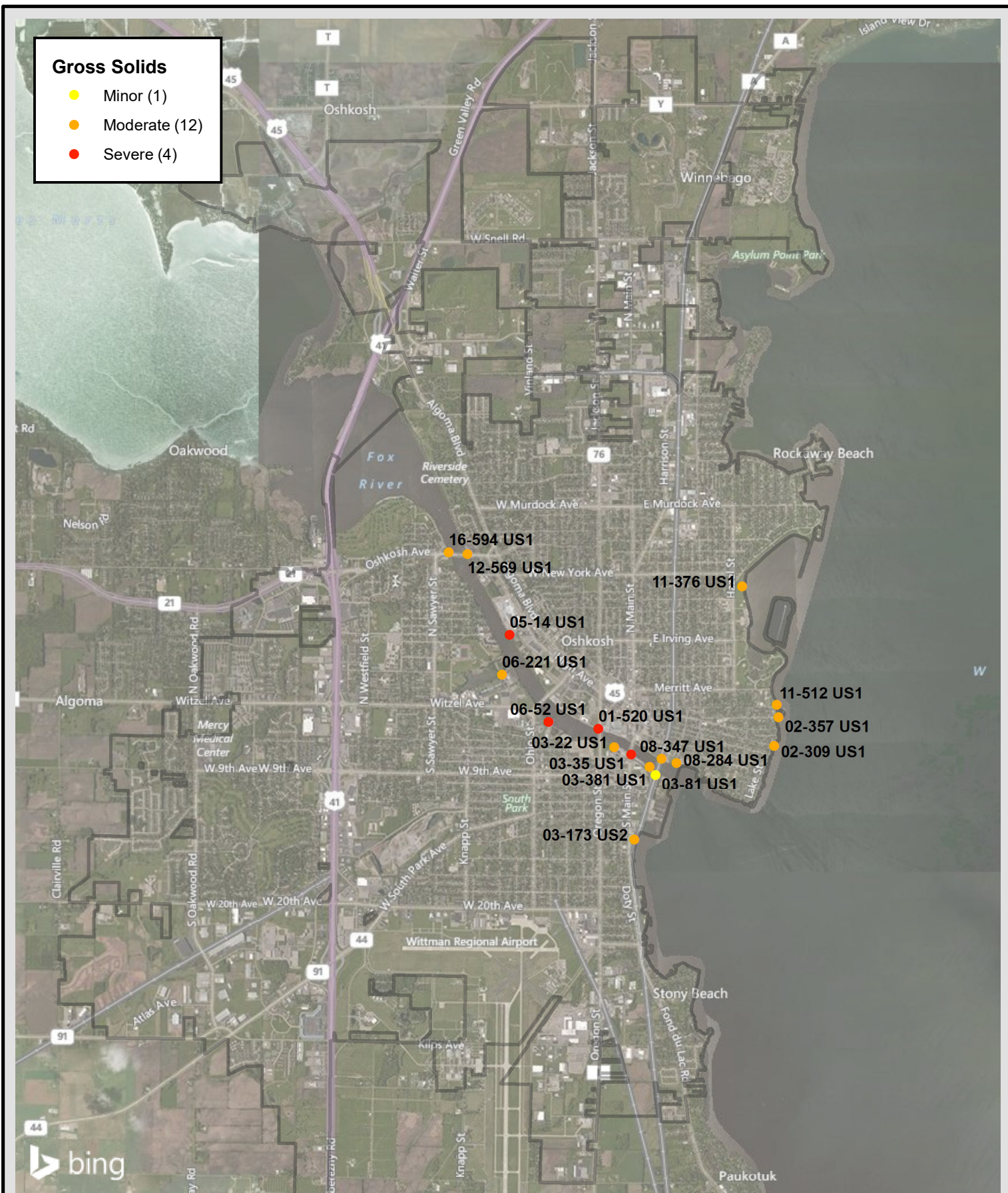


 <p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p>2017 IDDE ONGOING SCREENING PROGRAM</p> <p>OUTFALLS WITH GRAFFITI</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	<p>Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW</p> <p>Date: 1/23/2018</p>	<p>SCALE: 1" = 7,000'</p> <p>PROJECT NO. N2029C17</p> <p>FIGURE NO. C-5</p>
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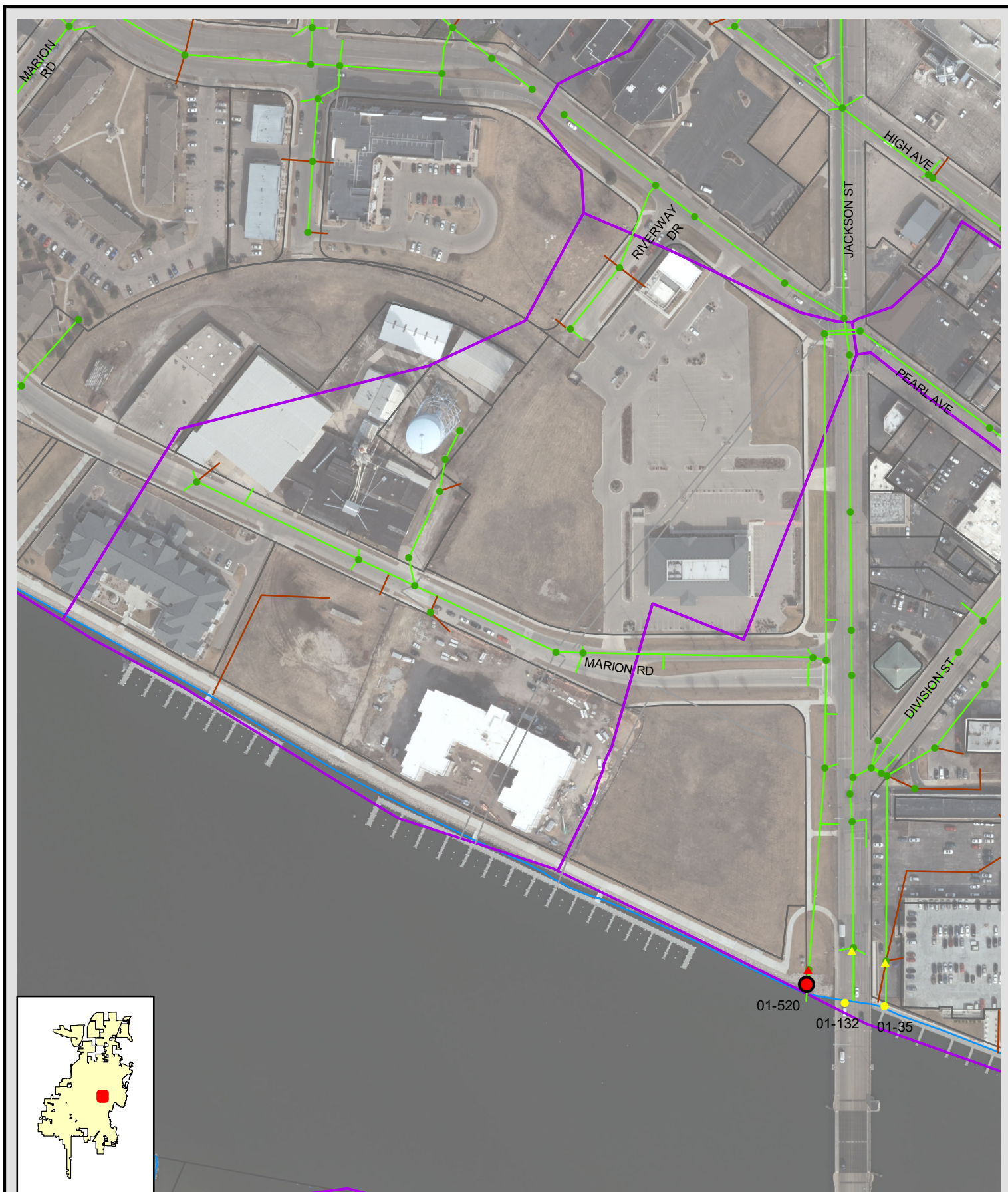
Appendix D

Additional Information for Outfalls with Potential Illicit Discharges

Upstream Manholes with Significant Floatable Debris
Area Maps for Outfalls with Potential Illicit Discharges



 <p>ONE SYSTEMS DRIVE APPLETON, WI 54914</p> <p>PHONE (920) 735-6900 FAX (920) 830-6100</p>		<p>2017 IDDE ONGOING SCREENING PROGRAM</p> <p>MANHOLES WITH FLOATABLE GROSS SOLIDS</p> <p>CITY OF OSHKOSH WINNEBAGO COUNTY, WISCONSIN</p>	Project Manager: BDW Project Engineer: JCW Drawn By: JCW Checked By: BDW	SCALE: 1" = 5,047'
			Date: 11/29/2016	PROJECT NO. N2029C17 FIGURE NO. D-1



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



2017 IDDE ONGOING SCREENING PROGRAM **DETAIL MAP** **OUTFALL 01-520**

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

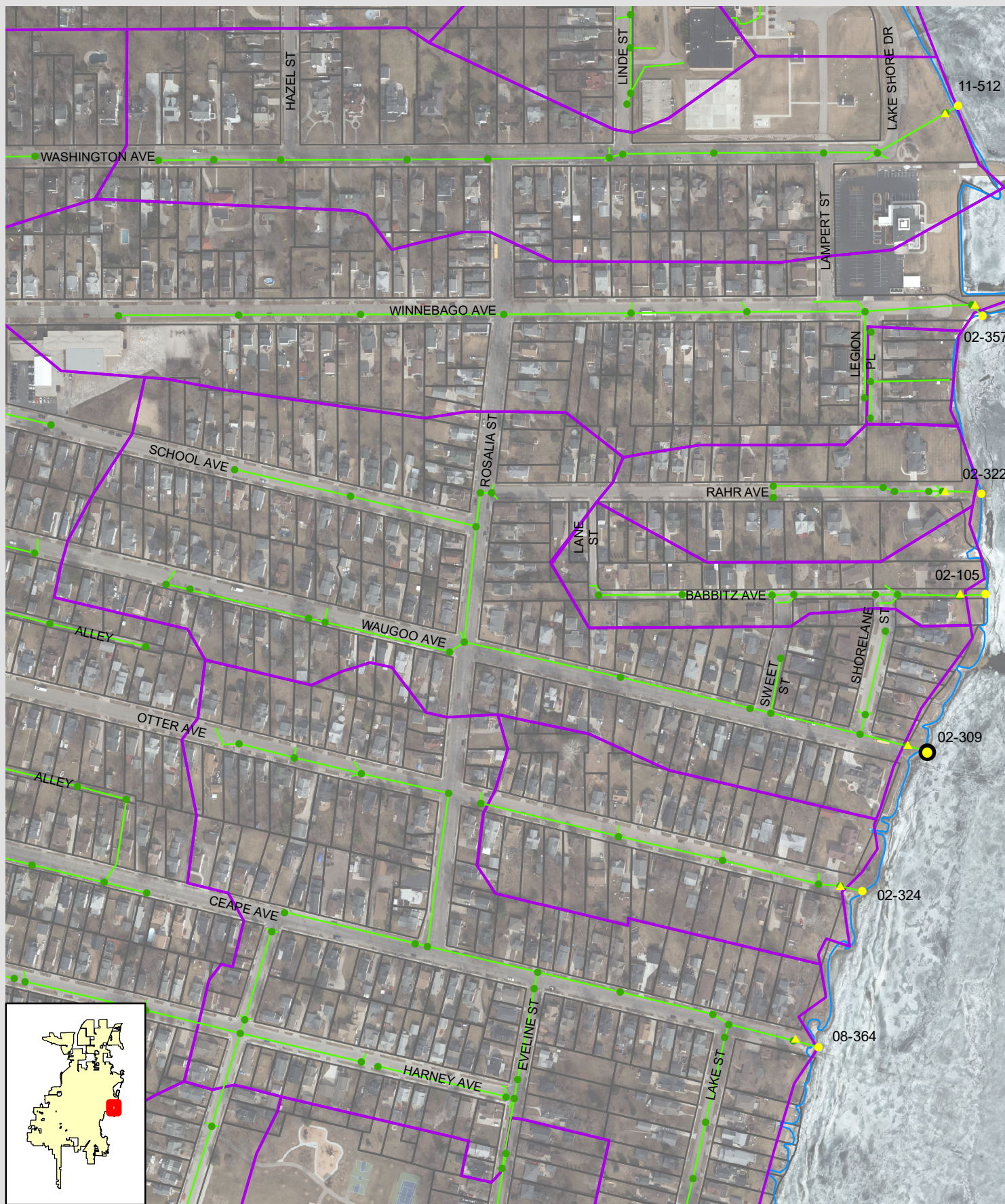
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

PROJECT NO.
N2029C17

FIGURE NO.
D-1a



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



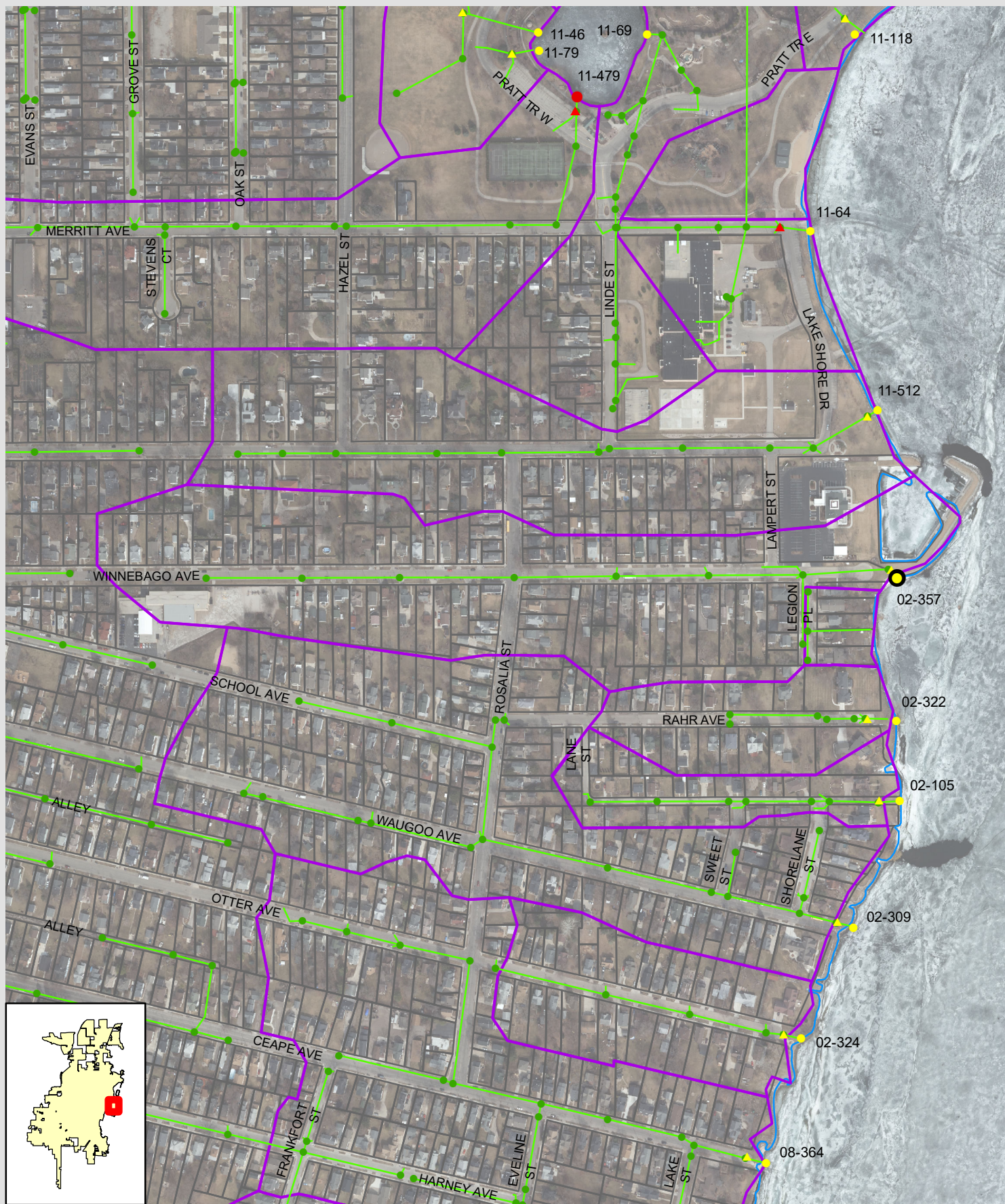
2017 IDDE ONGOING SCREENING PROGRAM **DETAIL MAP** **OUTFALL 02-309**

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

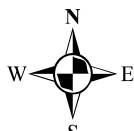
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'
PROJECT NO.
N2029C17
FIGURE NO.
D-1b



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



2017 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 02-357

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

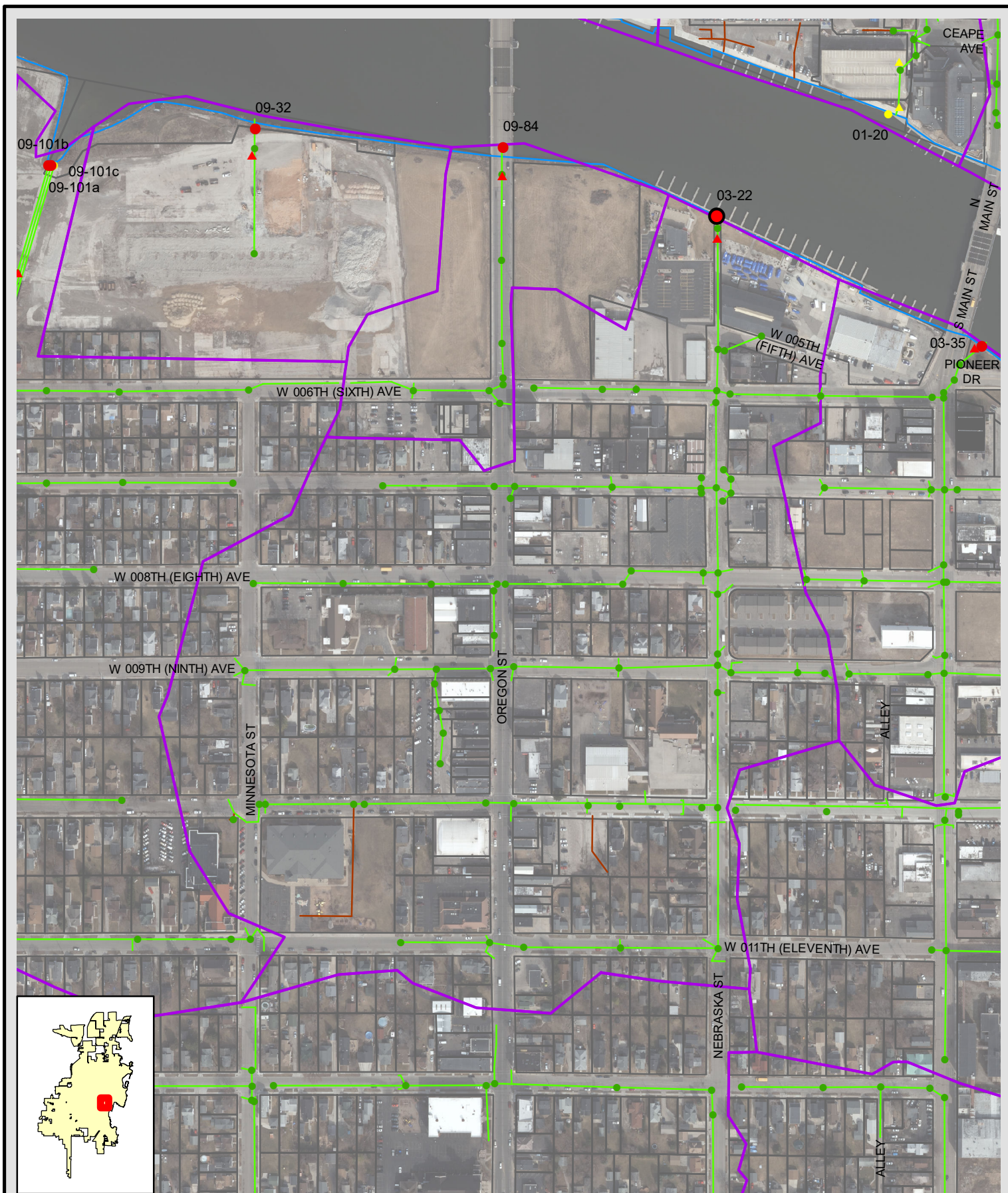
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
 1" = 417'

PROJECT NO.
N2029C17

FIGURE NO.
D-1c



Omni
ASSOCIATES

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 03-22

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

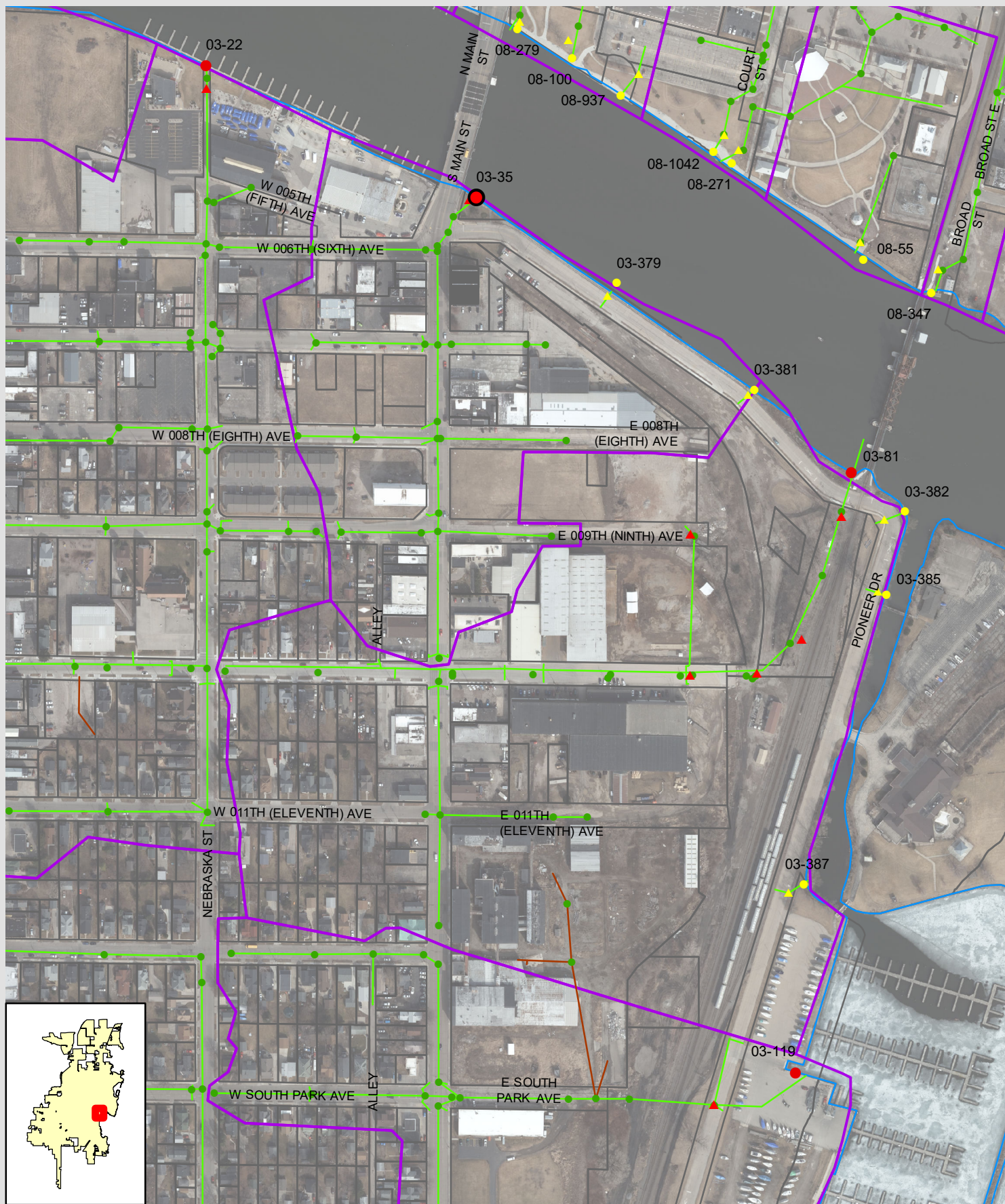
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1d



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



2017 IDDE ONGOING SCREENING PROGRAM **DETAIL MAP** **OUTFALL 03-35**

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

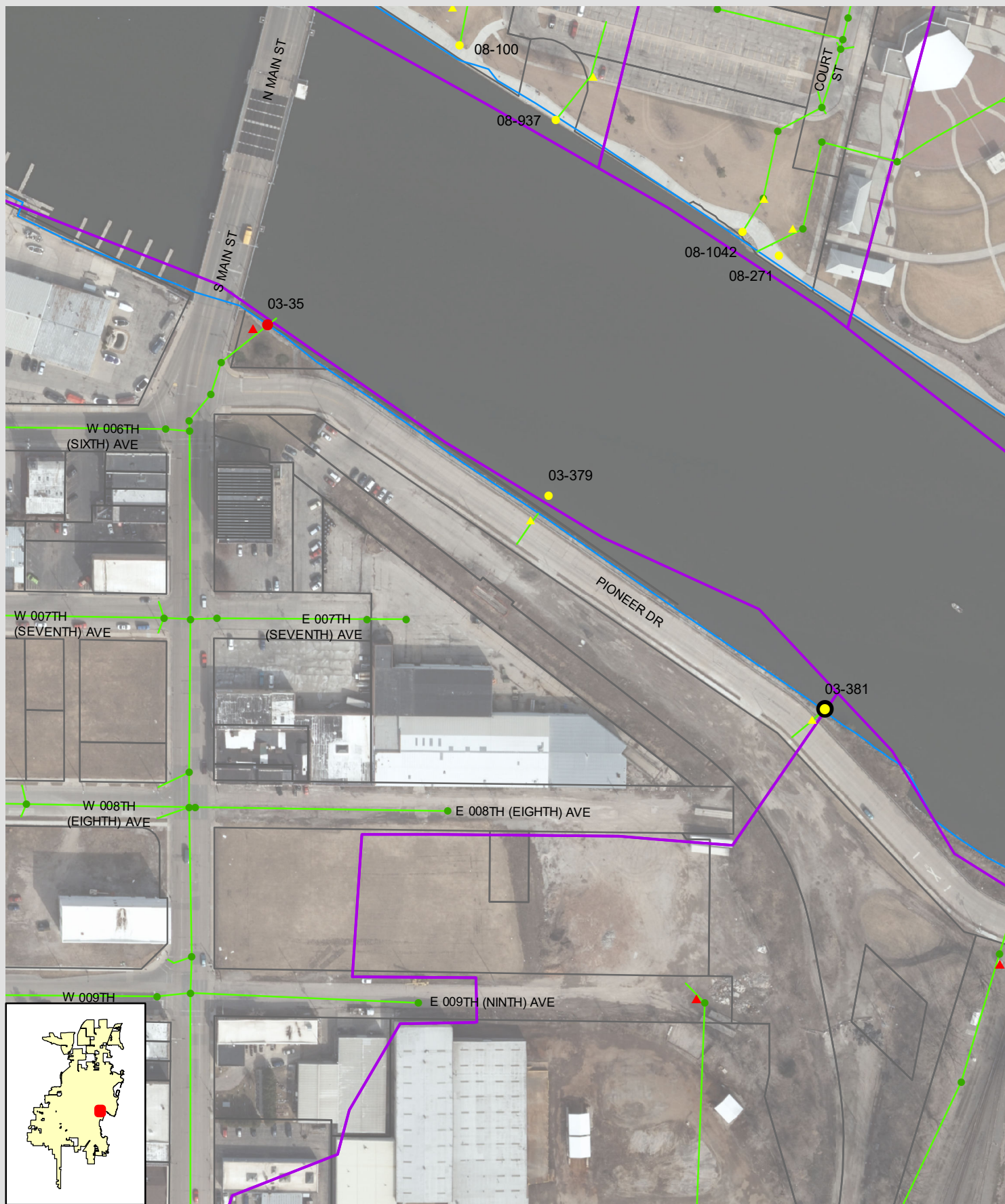
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 333'

PROJECT NO.
N2029C17

FIGURE NO.
D-1e



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



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



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

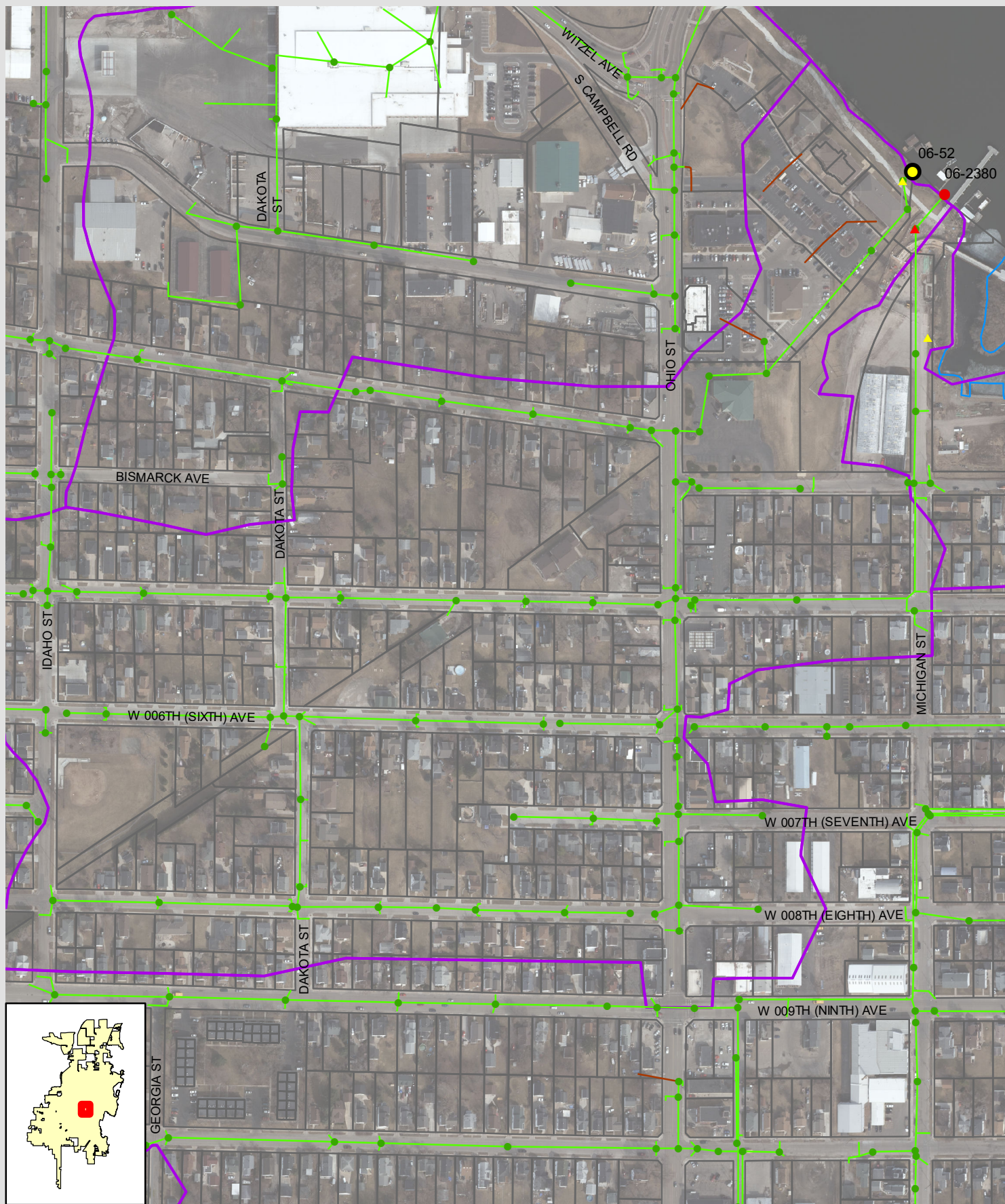
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-1g



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



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



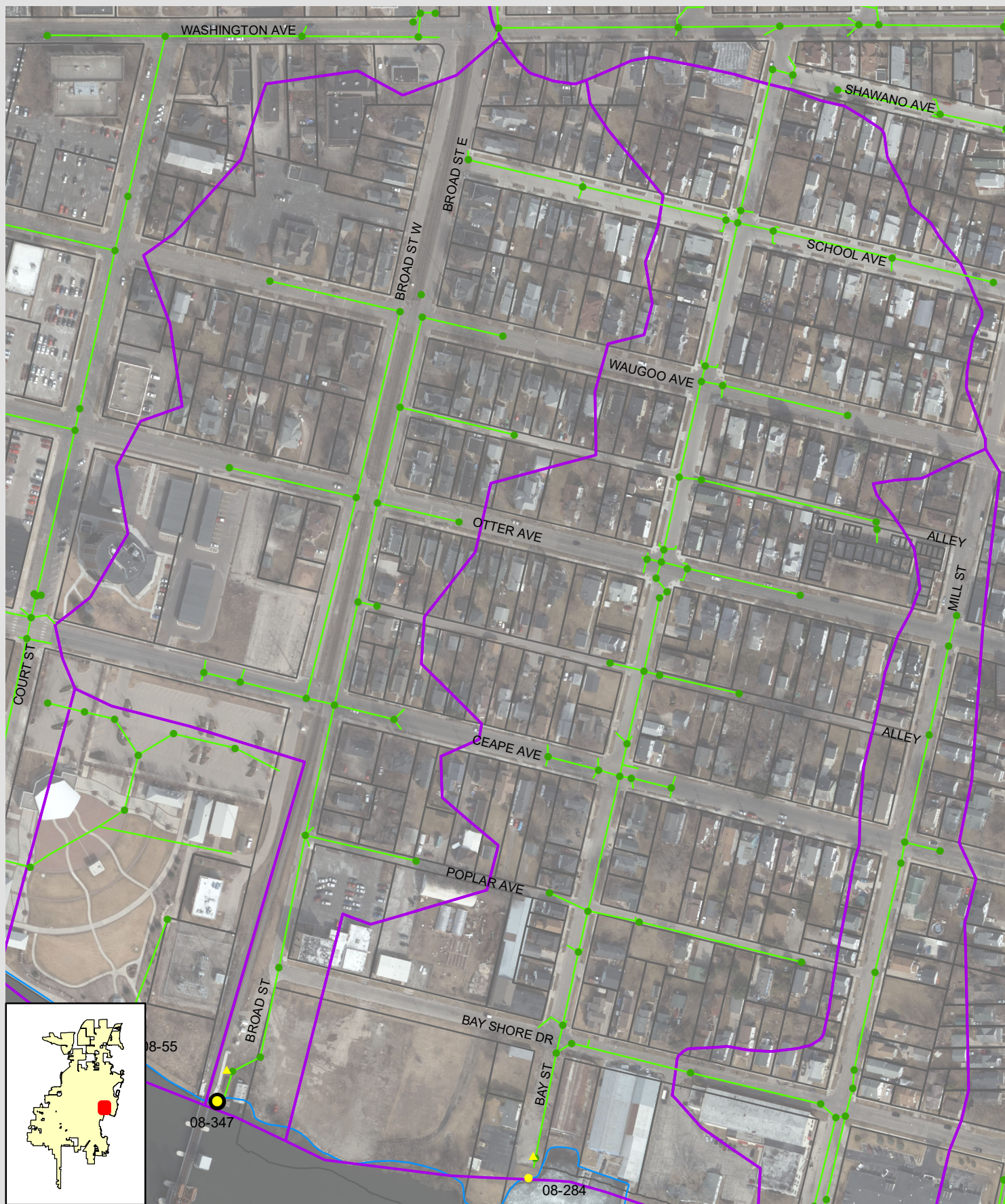
2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 08-284

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



2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 08-347

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

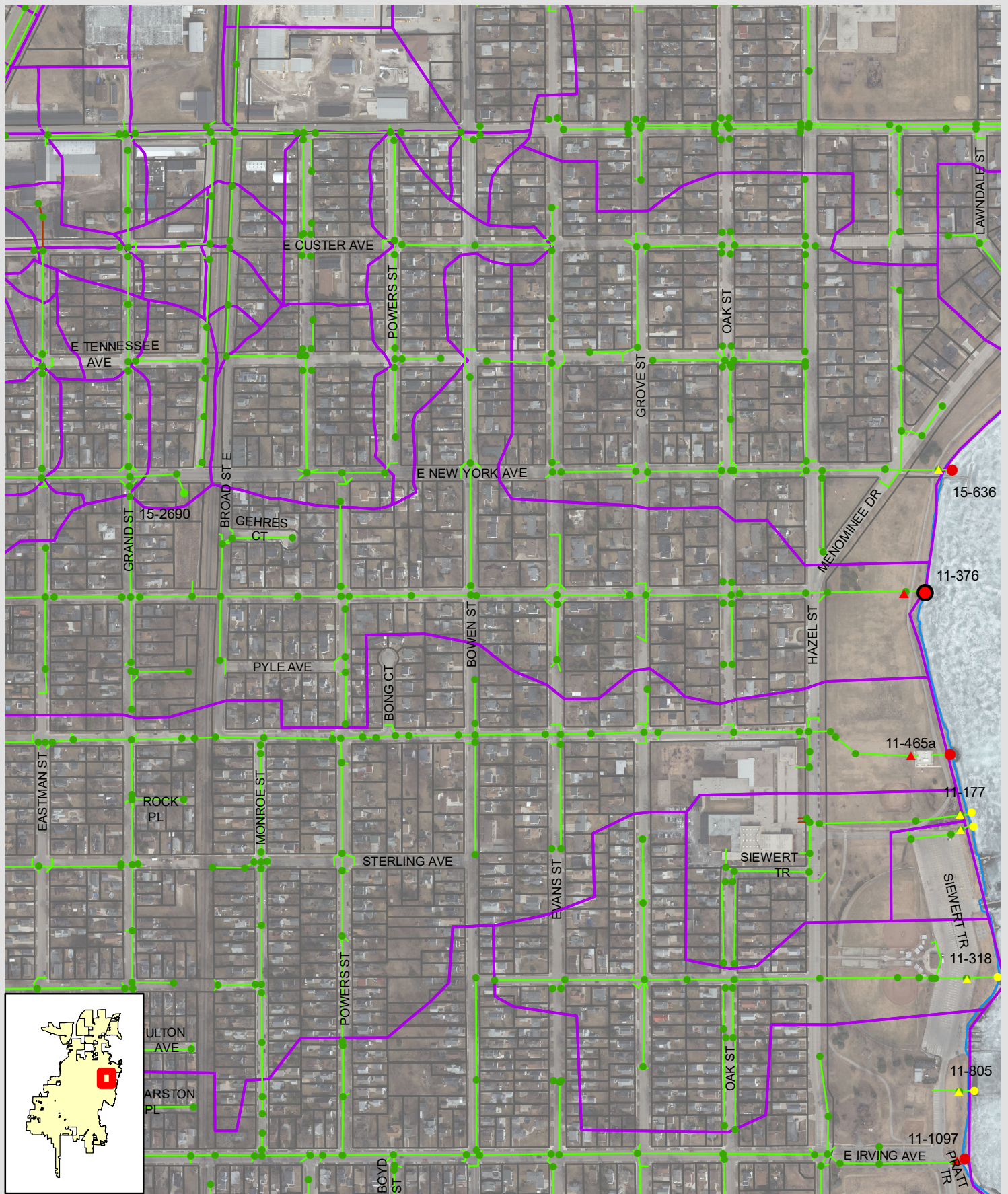
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

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



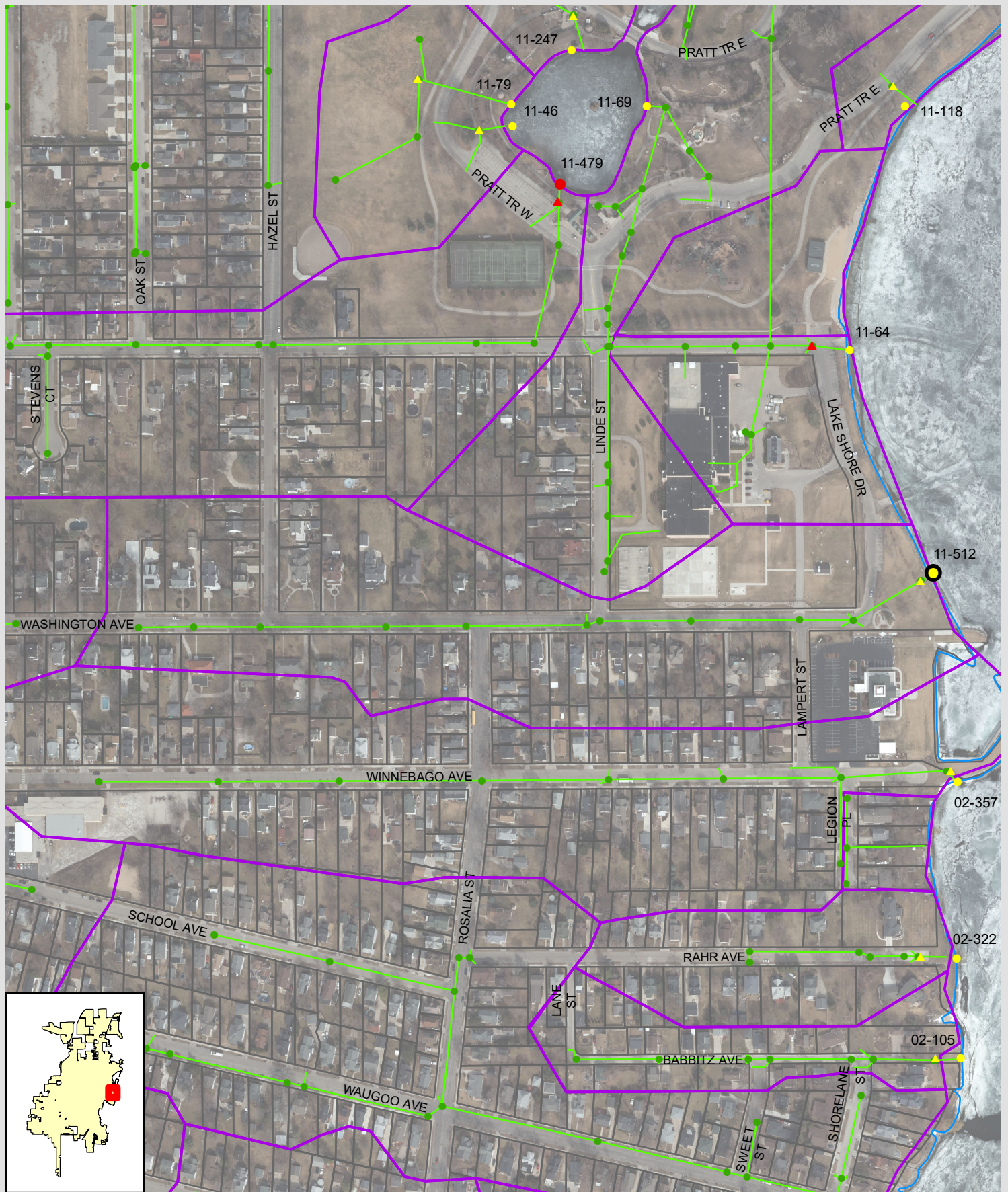
2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 11-376

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



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



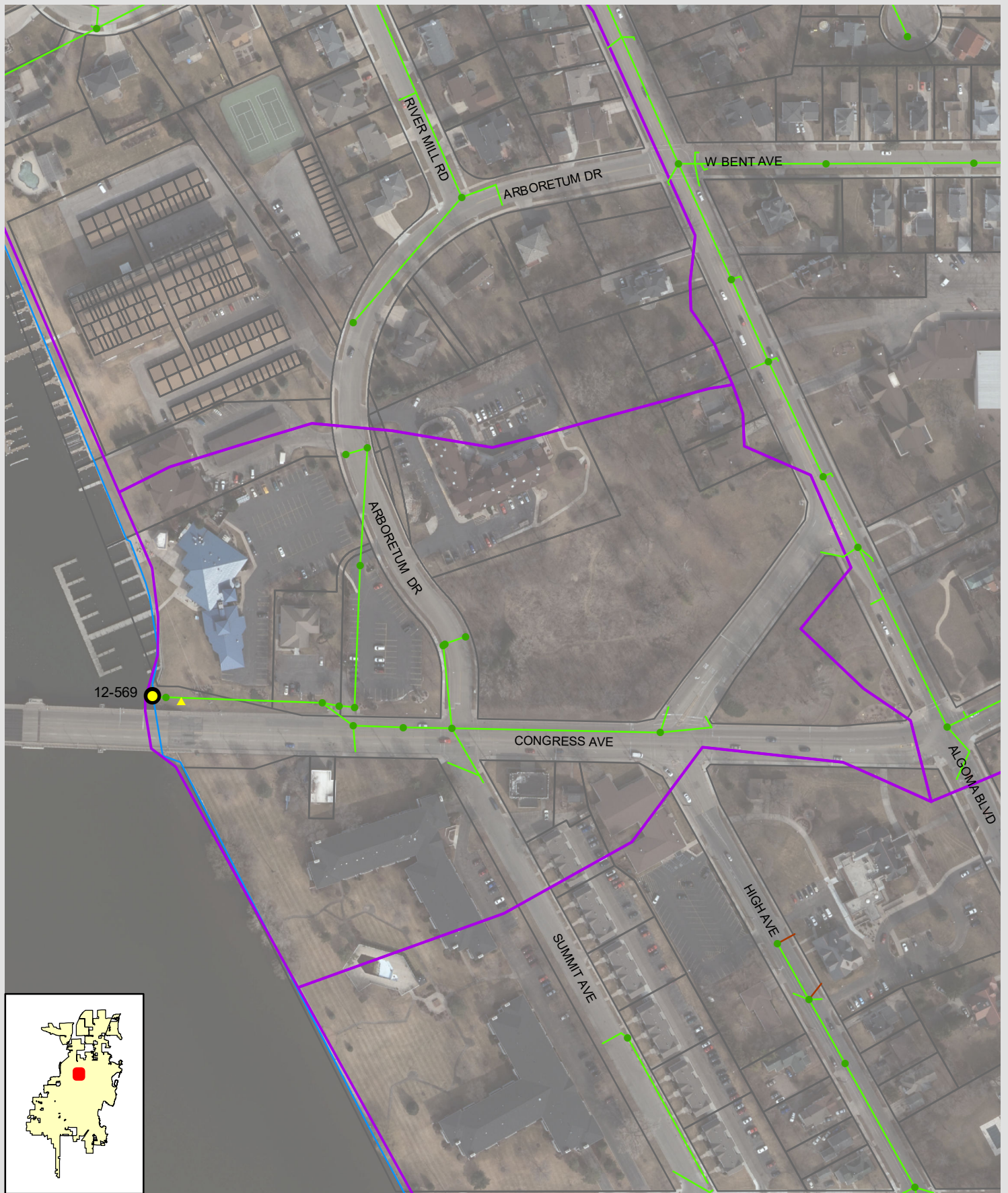
2017 IDDE ONGOING SCREENING PROGRAM **DETAIL MAP** **OUTFALL 11-512**

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



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



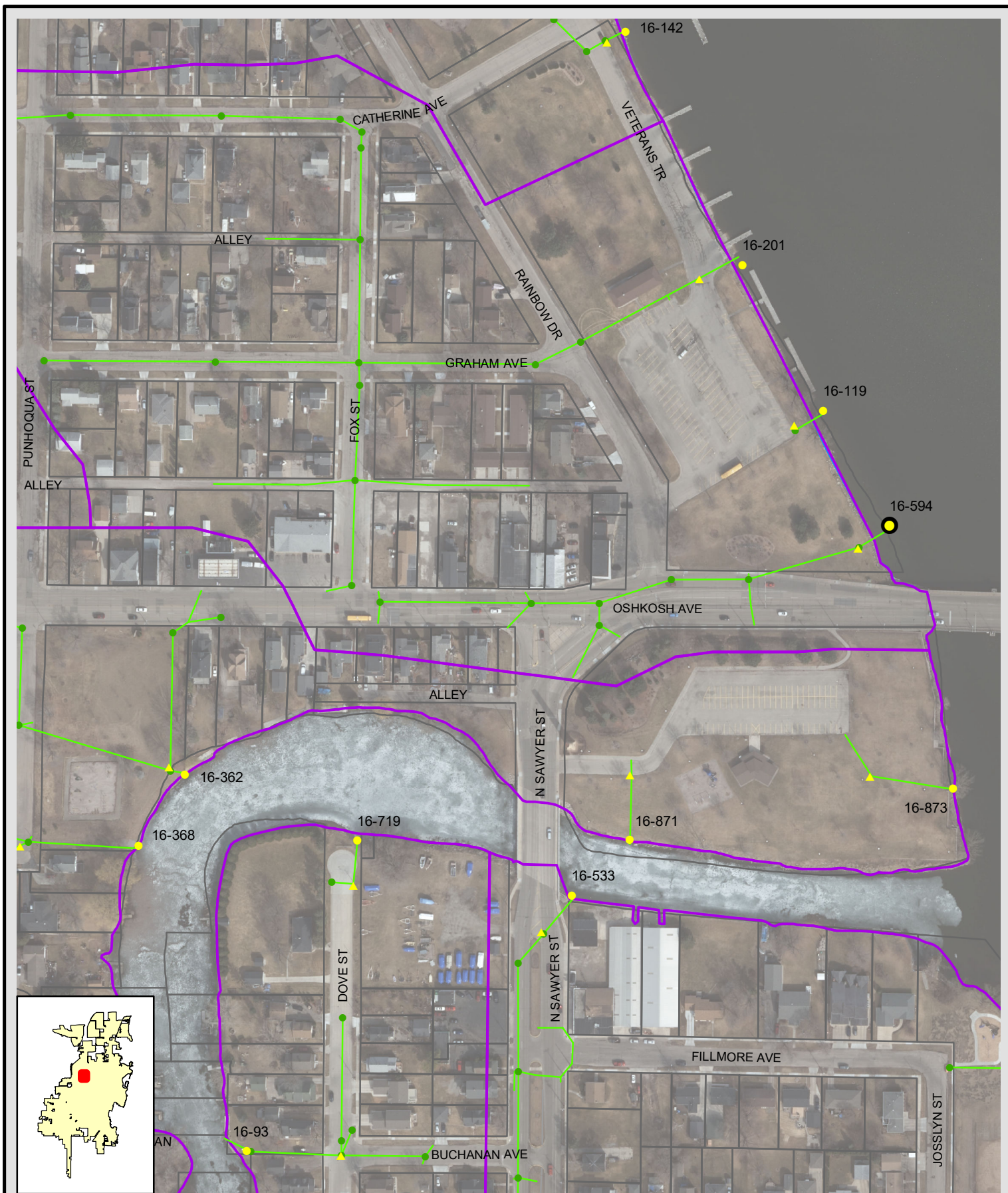
**2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 12-569**

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-10

























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

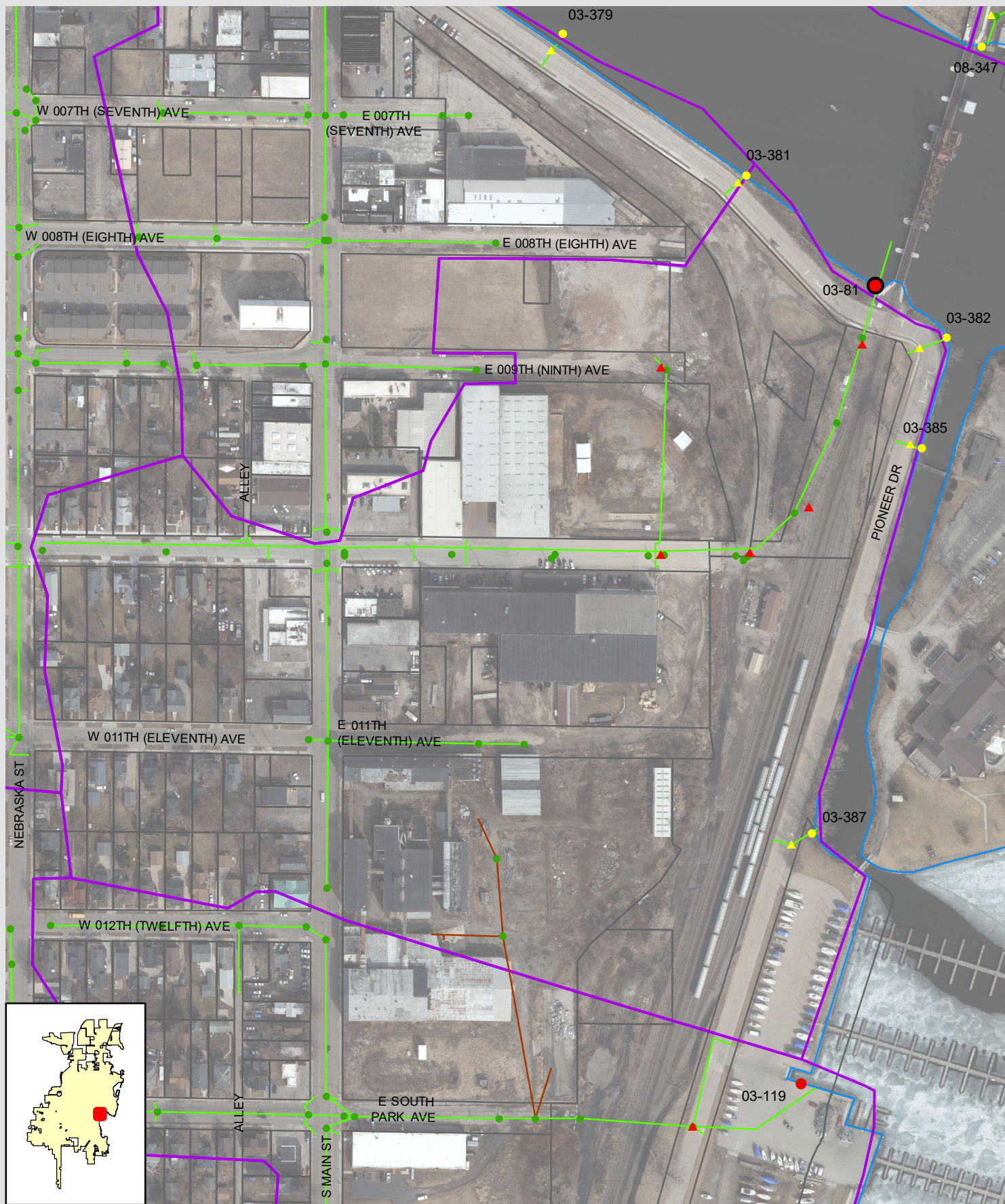
Manhole (City ID)	2009 Initial Screening (September 2009)	2010 Ongoing Screening (October 2010)	2011 Ongoing Screening (October 2011)	2012 Ongoing Screening (June 2012)	2012 Repeat Screening (September 2012)	2013 Ongoing Screening (July 2013)	2014 Ongoing Screening (July 2013)	2015 Ongoing Screening (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



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



2017 IDDE ONGOING SCREENING PROGRAM DETAIL MAP OUTFALL 03-81

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

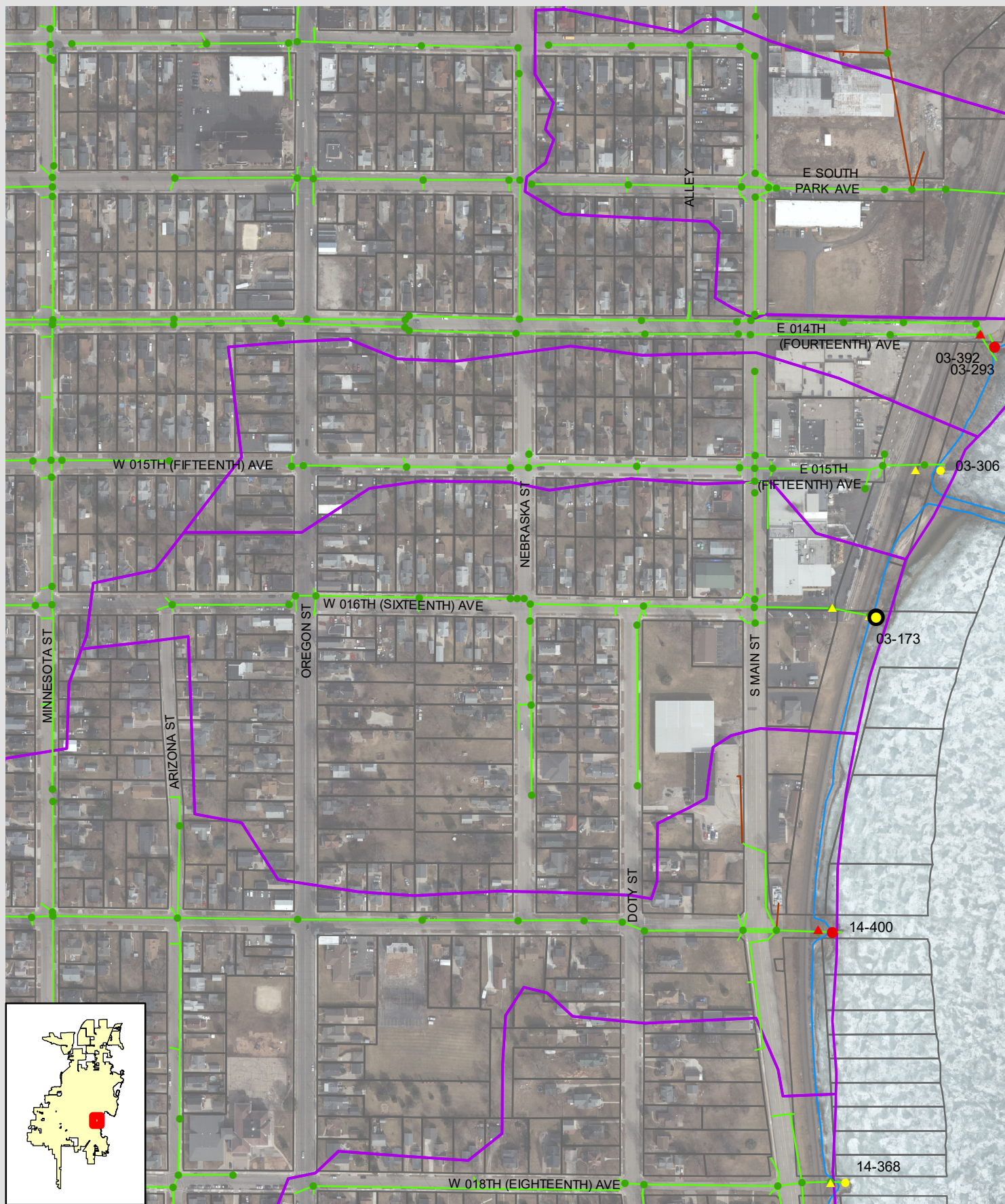
Project Manager: BDW
 Project Engineer: JCW
 Drawn By: JCW
 Checked By: BDW

Date: 1/24/2018

SCALE:
 1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-2



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



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

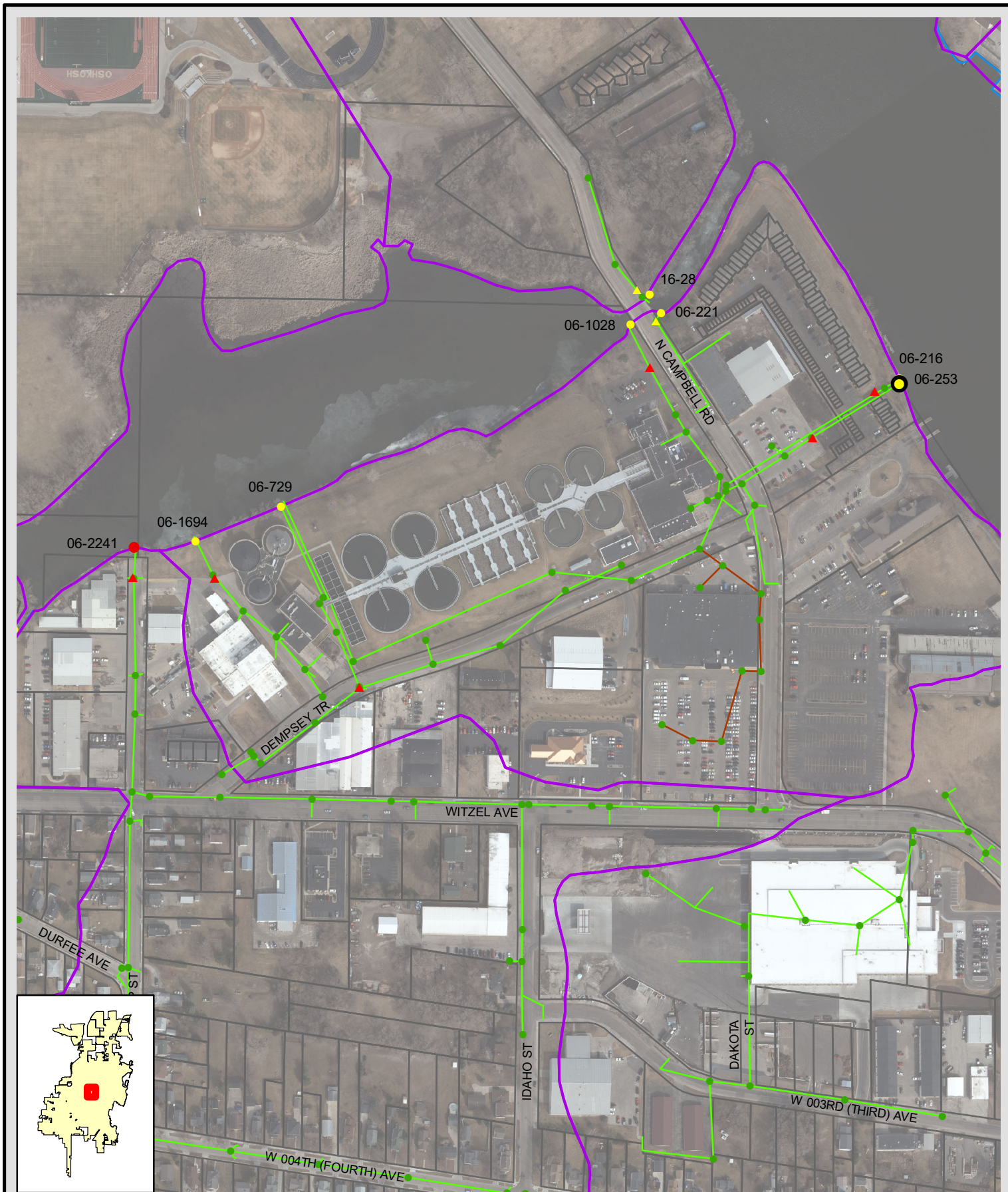
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 250'

PROJECT NO.
N2029C17

FIGURE NO.
D-4



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

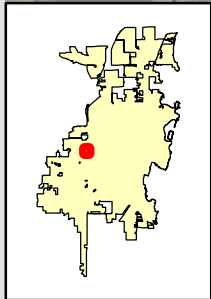
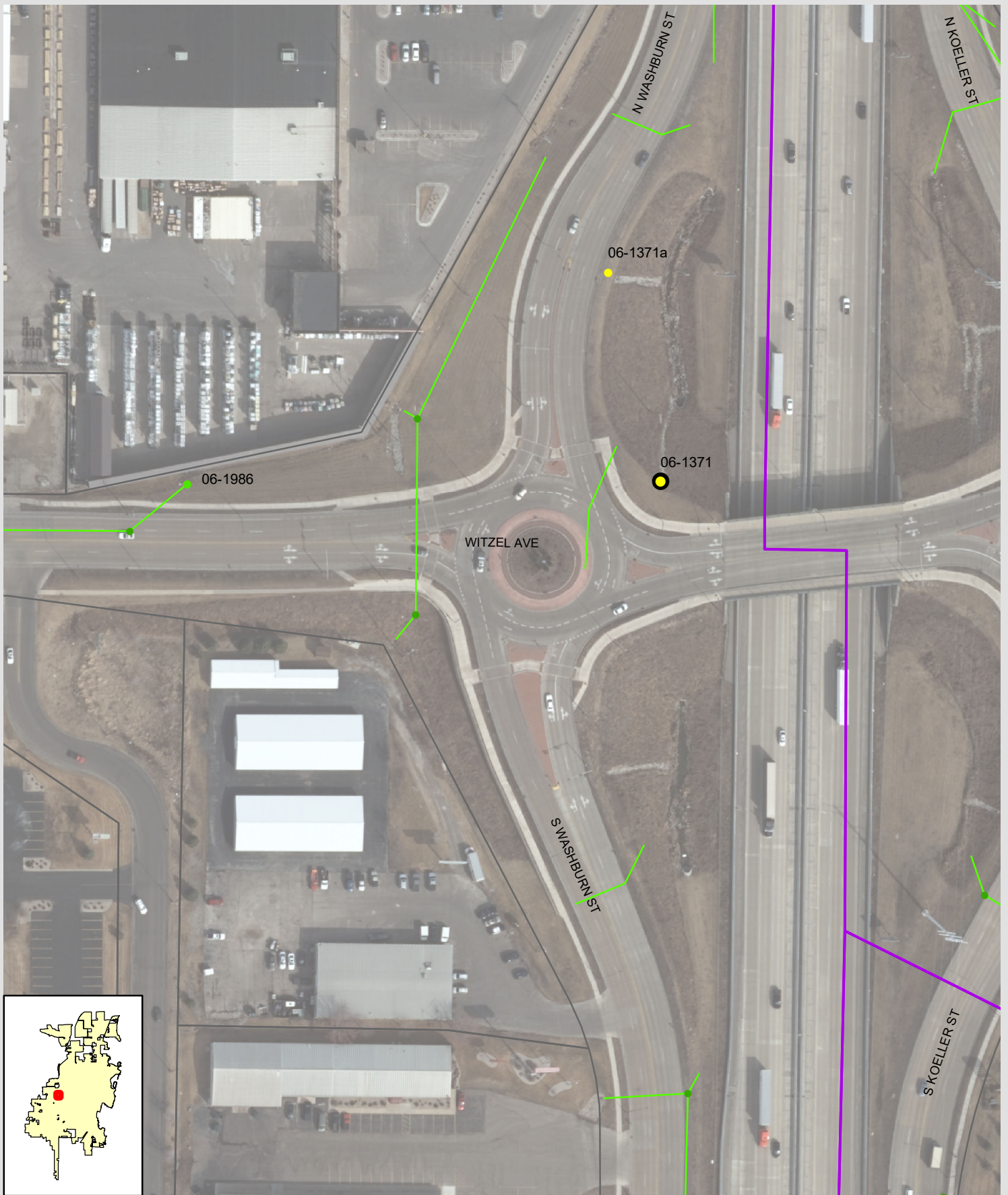
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

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

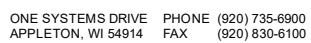
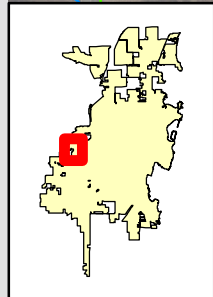
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 124'

PROJECT NO.
N2029C17

FIGURE NO.
D-6



**2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 06-1746**

CITY OF OSHKOSH, WINNEBAGO COUNTY, WISCONSIN

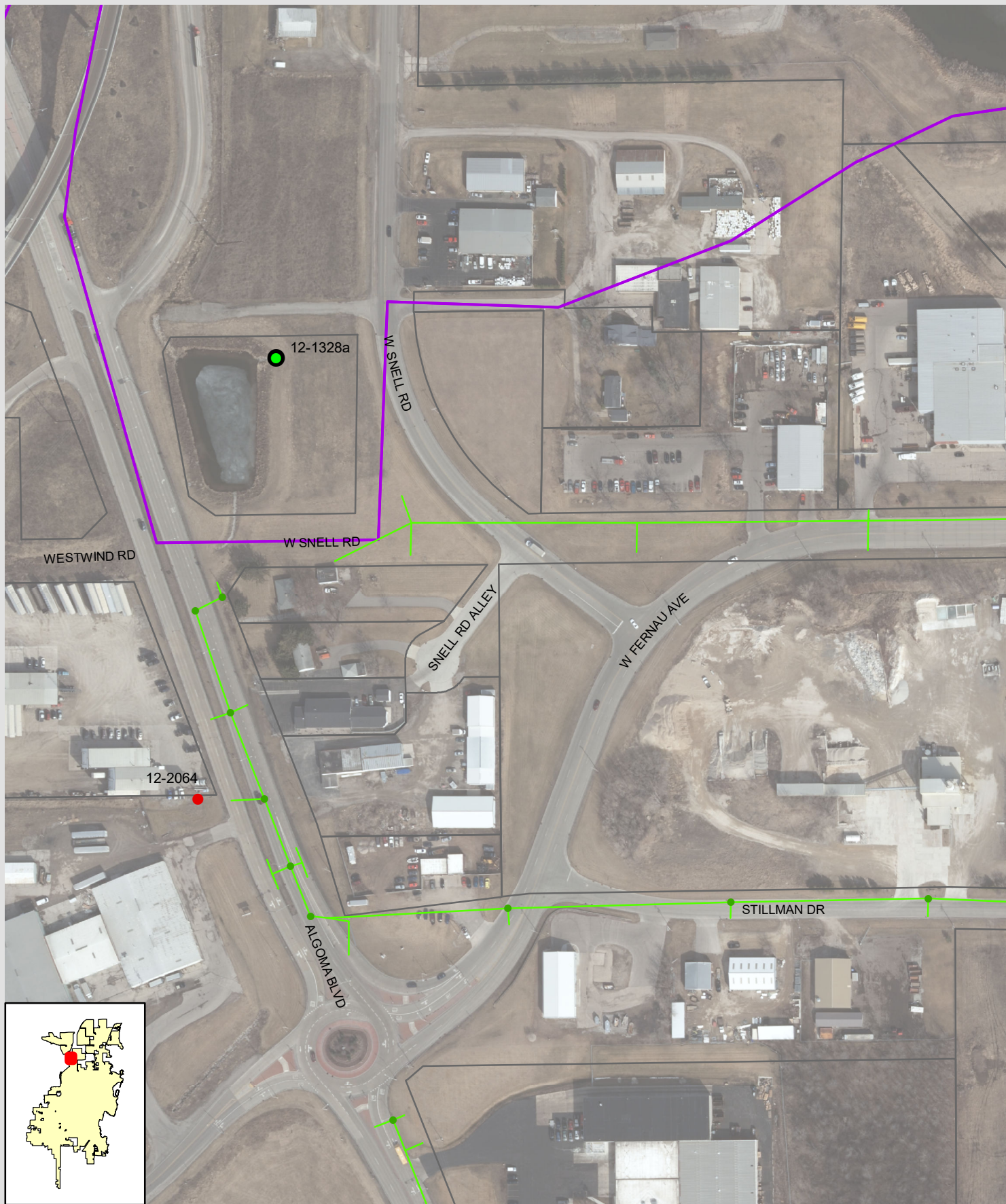
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 500'

PROJECT NO.
N2029C17

FIGURE NO.
D-7



Omni
ASSOCIATES

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



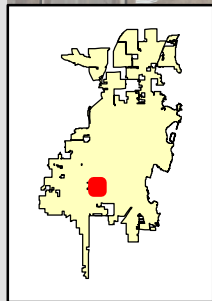
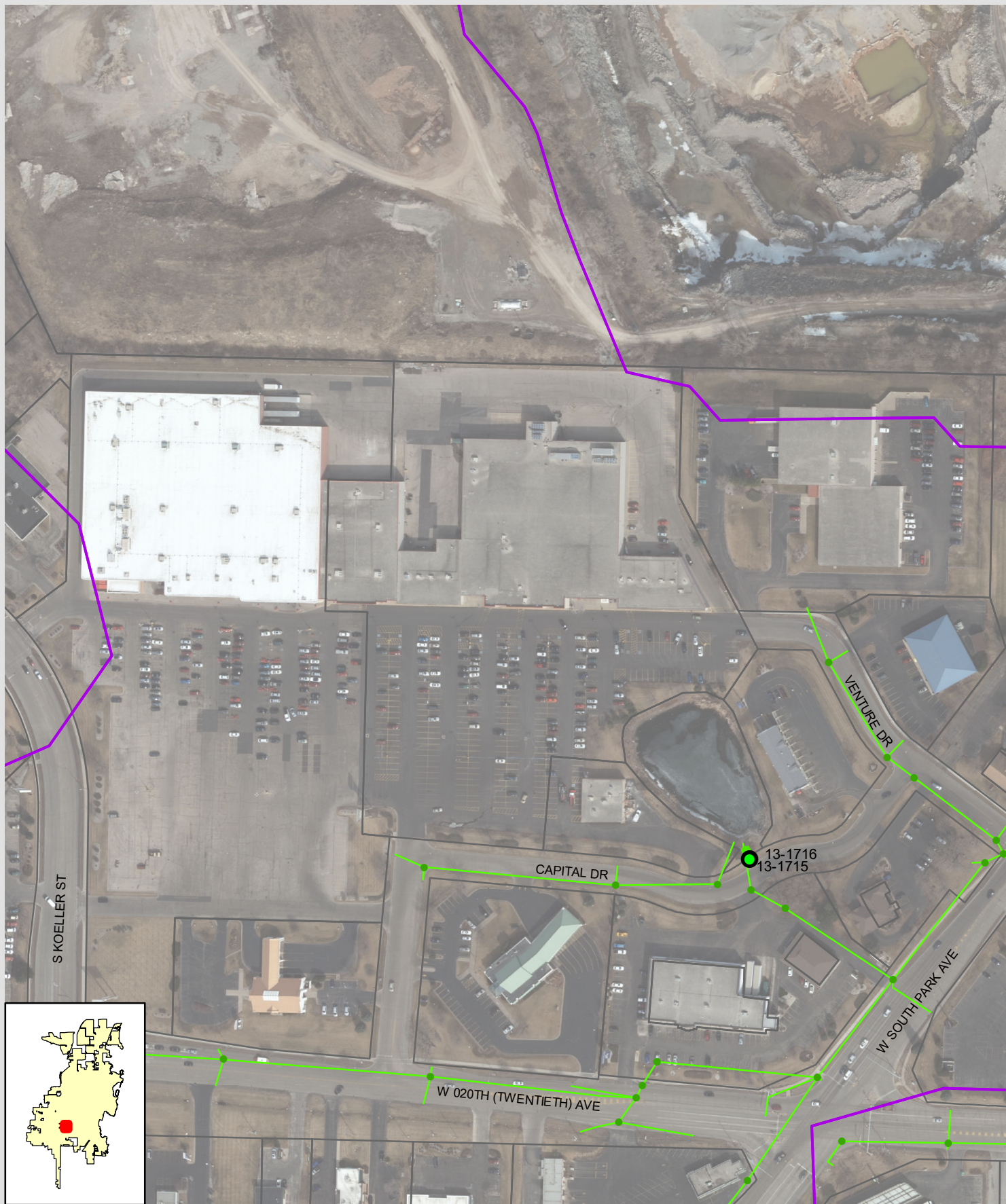
2017 IDDE ONGOING SCREENING PROGRAM
DETAIL MAP
OUTFALL 12-1328a

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



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

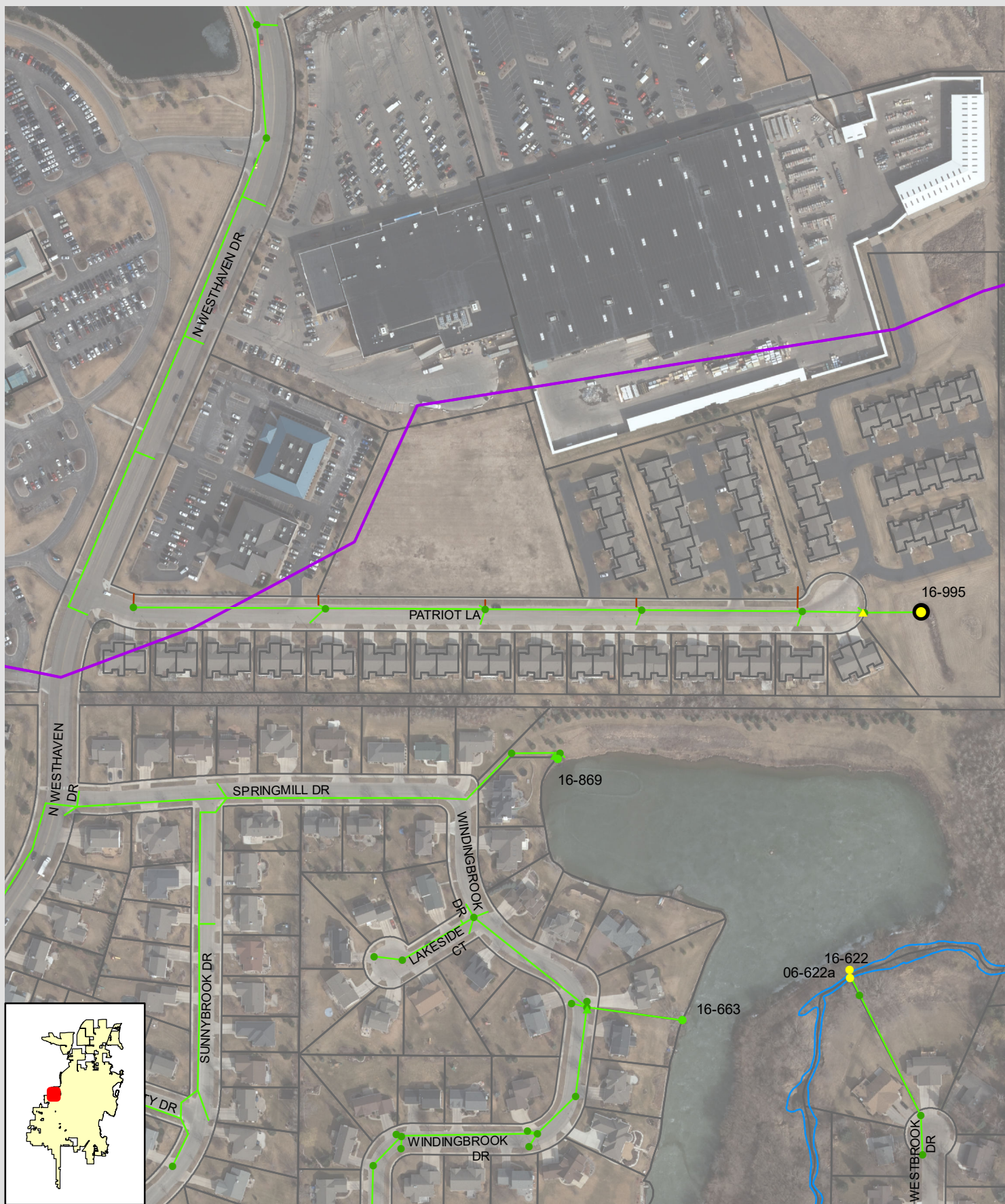
Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW

Date: 1/24/2018

SCALE:
1" = 208'

PROJECT NO.
N2029C17

FIGURE NO.
D-10



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

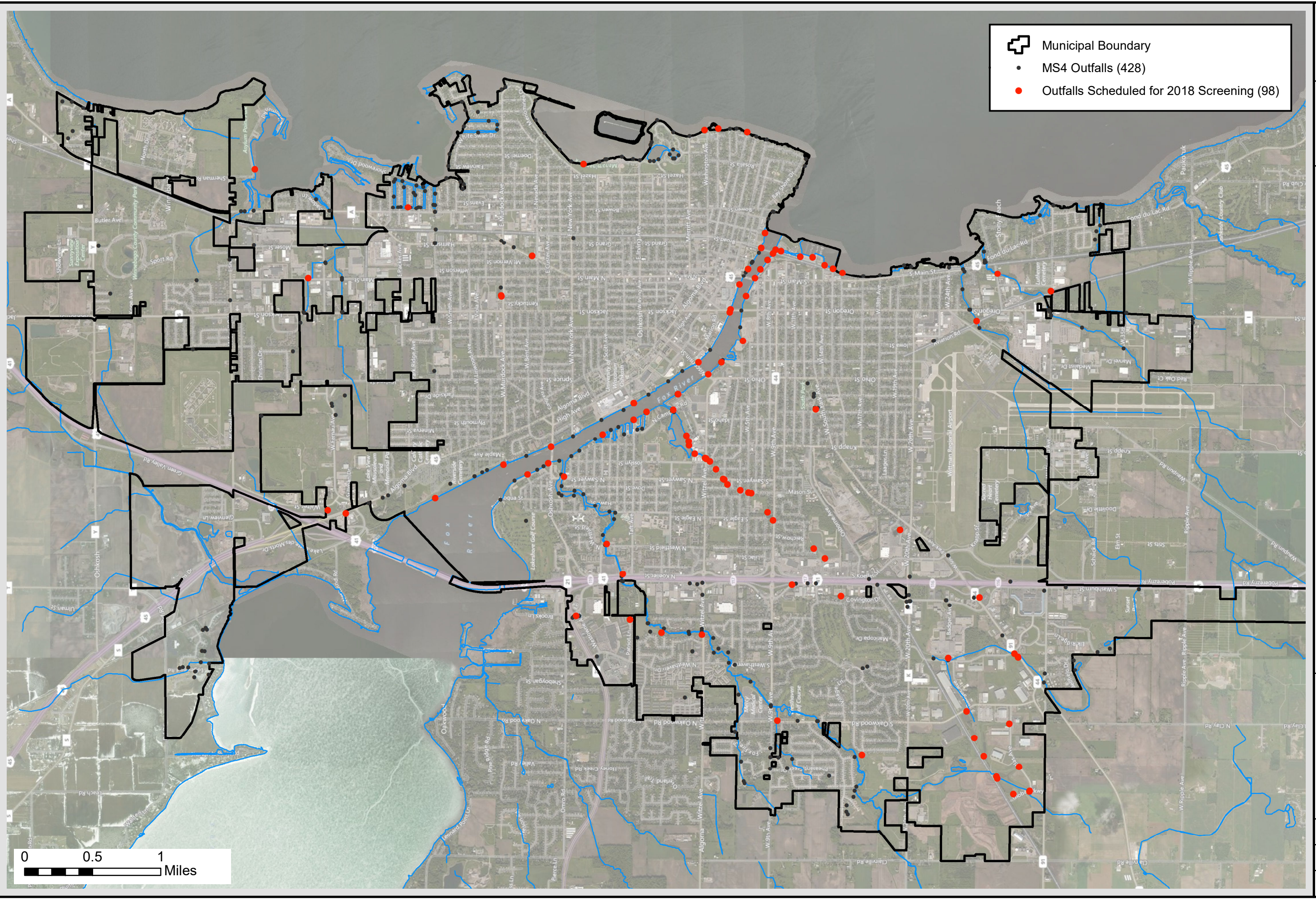
Priority	Outfall ID	2015	2016	2017	2018	2019
NPNM	15-349					
NPNM	15-350					
NPNM	15-378					
NPNM	15-399					
NPNM	15-488					
NPNM	15-571					
NPNM	15-573					
NPNM	15-687					
NPNM	15-690					
NPNM	15-692					
NPNM	15-693					
NPNM	15-798					
NPNM	15-804					
NPNM	15-835					
NPNM	15-840					
NPNM	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				

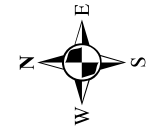
U	Unlikely	77	71	76	0	0
P	Potential	20	27	25	0	0
O	Obvious	1	0	0	0	0
		98	98	101	0	0
x	Scheduled	0	0	0	91	0
r	Reinspect	0	0	0	7	0
		0	0	0	98	0

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)

2017 IDDE ONGOING SCREENING PROGRAM
OUTFALLS SCHEDULED FOR 2018 SCREENING



Project Manager: BDW
Project Engineer: JCW
Drawn By: JCW
Checked By: BDW
Date: 1/24/2018

OMNI
ASSOCIATES
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

F:\ENVI\IDDE\GIS\MS4Map_11x17_Oshkosh_scheduled.mxd