



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2022 To March, 2023

Permit No. ILR40 0181

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: City of Decatur Mailing Address 1: #1 Gary K. Anderson Plaza

Mailing Address 2: _____ County: Macon

City: Decatur State: IL Zip: 62523 Telephone: 217-424-2747

Contact Person: Paul Caswell Email Address: pcaswell@decaturil.gov
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

City of Decatur

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | |
|--|---|
| 1. Public Education and Outreach <input checked="" type="checkbox"/> | 4. Construction Site Runoff Control <input checked="" type="checkbox"/> |
| 2. Public Participation/Involvement <input checked="" type="checkbox"/> | 5. Post-Construction Runoff Control <input checked="" type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination <input checked="" type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping <input checked="" type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

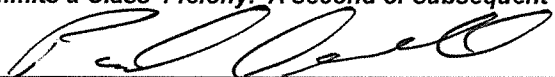
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))



Owner Signature:

Paul Caswell

Printed Name:

5/31/2023

Date:

Acting Public Works Director

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

WATER POLLUTION CONTROL

COMPLIANCE ASSURANCE SECTION #19

1021 NORTH GRAND AVENUE EAST

POST OFFICE BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
June 1, 2023**

**NPDES PHASE II PERMIT FOR STORM WATER DISCHARGES
FROM
MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

**City of Decatur, Illinois
NPDES Permit No. 400181**

REPORTING PERIOD:

April 1, 2022 to March 31, 2023

MS4 OPERATOR INFORMATION:

City of Decatur
#1 Gary K. Anderson Plaza
Decatur, Illinois 62523
(217)424-2747

GOVERNMENTAL ENTITY IN WHICH MS4 IS LOCATED:

Decatur, Illinois

INTRODUCTION:

The 1987 amendments to the Clean Water Act required the United States Environmental Protection Agency (USEPA) to address stormwater runoff in two phases. Phase I of the National Pollution Discharge Elimination System (NPDES) Stormwater Program became effective in 1990. Phase I of the NPDES Stormwater Program applies to large and medium Municipal Separate Storm Sewer System (MS4) communities and eleven industrial categories including construction sites disturbing 5 or more acres of land. Phase II of the NPDES Stormwater Program became effective March 10, 2003 and applies to small MS4's and construction sites disturbing between 1 and 5 acres of land. Phase II also expands the industrial "no exposure" exemption from Phase I. The Illinois Environmental Protection Agency (IEPA) oversees implementing both phases of the NPDES Stormwater Program.

Since the City of Decatur is a small MS4, the report and appendices include the City's compliance with Phase II of the NPDES Stormwater Program. By submitting a Notice of Intent (NOI) in September 2013, the City outlined a plan of implementation for six minimum control

measures with a goal of improving the stormwater quality. The plan was updated with the new NOI that was submitted in February of 2021.

The six minimum control measures are:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-construction Runoff Control
6. Pollution Prevention and Good Housekeeping

The City of Decatur has developed a plan that coordinates with the needs of the City to address the six control measures outlined above. The Best Management Practices (BMPs) outlined in this report were chosen to comply with the NPDES Stormwater Program Phase II. The City has set measurable goals and milestones for each of the BMPs included.

The City has worked together with surrounding communities to create a website, maconcleanwater.com, to help educate the public about the Macon County Municipal Separate Storm Sewer System. This website touches base with two of the six control measure: Public Education and Outreach and Public Participation and Involvement.

The City of Decatur staff selected seven large and important stormwater outfalls throughout the City. Together, these outfalls take large portions of stormwater from residential, commercial, and industrial areas that ultimately flow into waters of the US. The outfall monitoring forms were completed for the seven outfalls and pictures were taken and stored. The forms and maps of the outfalls are in Exhibit 2 of this report.

ITEM A: Changes to Best Management Practices

There were no changes made to the Best Management Practices for the reporting period.

ITEM B: Status of Compliance with Permit Conditions

The City proposed nineteen (19) BMPs during the April 1, 2022 to March 31, 2023 time frame. The City was able to implement all of these BMPs. The City has been able to build upon past good practices, while implementing and maintaining the current BMPs.

For more information on the regarding the implementation of the BMPs for the reporting period, please refer to Item C.

ITEM C: Results of Information Collected During the Reporting Period

The various best management practices listed on the permit are provided herein with brief commentary as to their status in achieving the goal of reducing the discharge of pollutants from the MS4. Supporting information is attached as available. All entries are itemized by BMP as listed in the City's most recent Notice of Intent which was filed March of 2022. Exhibit 2 provides the outfall inspection data

BMP No. A.1 Public Education and Outreach

Brief Description of BMP: Create and distribute brochures related to current and relevant storm water pollution prevention topics.

Measurable Goal(s), including frequencies: Brochures will be available in the Engineering office and Building Services office. In addition, brochures will be given to homeowners, contractors, engineers, and other applicable groups that will benefit from the information the brochure provides.

Milestones: Distribute Homeowner Erosion Control Brochure.

Homeowner Erosion Control brochures are available in the Engineering office and the Building Services office. Brochures are also available at MCSW, Mt Zion, Macon County, and Forsyth. Exhibit 1 provides a copy of the brochures available.

BMP No. A.4 Community Event

Brief Description of BMP: Provide community events for training and education

Measurable Goal(s), including frequencies: Hold a minimum of 1 yearly.

Milestones: Participate in one community event per year.

On November 2, 2022 the Macon County Soil & Water Conservation District organized the Stormwater Workshop event partnering with the MS4 work group of Macon County. The workshop was published on both Macon and Champaign County MS4 websites along with a mailer sent to our contractor, engineering, municipality contact list. Conference presenters included; Stormwater Solution Engineering, IEPA Water Division of Water Pollution and Control, as well as USEP Water Infrastructure. There was approx. 45 attendees. A copy of the flier is attached in Exhibit 1.

On July 26, 2022, The Macon County Farm Bureau partnered with several local stakeholders located in the Lake Decatur watershed to host a Nutrient Stewardship Field Day, focused on sharing information about recent nutrient Stewardship efforts and other watershed planning updates. There was approx. 50 attendees at this event. A copy of the fly is attached in Exhibit 1

In April of 2022 the Macon County Conservation District held its 41st annual Festival of Spring which involved the active participation of local volunteers to “clean-up” the Sangamon River, this clean up event was co-sponsored by the Community Environmental Council.

BMP No. A.6 Other Public Education

Brief Description of BMP: Continue to update and increase visits to maconcleanwater.com.

Measurable Goal(s), including frequencies: Maintain and Update Website

Milestones: Maintain and Update Website

The Macon County MS4 website – www.maconcleanwater.com has been in place since July of 2012. The local area utilities the website for land develop permits and links to each individual community’s information. The website provides easy access to the links and information, which will encourage people to visit more frequently. This year we were not able to report the number of views due to the technical difficulties with the host.

BMP No. B.3 Stakeholder Meeting

Brief Description of BMP: Participate in a working group with Macon County, the Village of Mt. Zion, the Village of Forsyth, and the Macon County Soil & Water Conservation District.

Measurable Goal(s), including frequencies: Meet 4 to 8 times a year with the Macon County MS4 Working Group.

Milestones: Meetings have scheduled dates and agendas are provided for each. The Macon County MS4 Working Group meets the second Tuesday of every alternating month. Below are the dates for the MS4 meetings within the reporting period.

May 18, 2022
July 20, 2022
September 21, 2022
November 16, 2022
January 18, 2023
March 15, 2023

BMP No. B.4 Public Hearing

Brief Description of BMP: Provide public hearings when modifications are made to the city's storm water ordinance.

Measurable Goal(s), including frequencies: Present any necessary changes to the City's storm water ordinance to the City Council for public discussion as required by law.

Milestones: When changes occur in the storm water ordinance, there will be a City Council meeting to have public discussion of these changes.

The City of Decatur did not have any changes with the ordinance in 2022 reporting period with the latest being in 2021.

BMP No. C.1 Sewer Map Preparation

Brief Description of BMP: Continue to refine the storm sewer infrastructure on the City's GIS map.

Measurable Goal(s), including frequencies: Update storm sewer map as necessary.

Milestones: Update as discovered.

Updates continued to be made and outfalls placed on map as found. The City has had a robust GIS map since 2009 with prior to that having ACAD maps

BMP No. C.7 Visual Dry Weather Screening

Brief Description of BMP: Inspect separate storm sewer discharges for illegal connections

Measurable Goal(s), including frequencies: Screen if complaint is received with a goal to inspection 10% of outfalls greater than 30". Eliminate all illicit discharges discovered.

Milestones: Screen if complaint is received with a goal of 10% on outfall greater than 30".

No illegal connections were found. The goal was met for 2022.

BMP No. D.1 Regulatory Control Program

Brief Description of BMP: Require Land Disturbance Permit all site plans disturbing more than one acre of land and as detailed in the storm water ordinance.

Measurable Goal(s), including frequencies: Receive, review, process and approve all permits.

Milestones: Receive, review, process and approve all permits.

The City completed and issued all permits that met the criteria of the stormwater ordinance.

BMP No. D.2 Erosion and Sediment Control BMPs

Brief Description of BMP: Require Storm Water Pollution Preventions Plans (SWPPP) detailing sediment and erosion control on all site plans disturbing more than one acre of land.

Measurable Goal(s), including frequencies: Require the use of sediment and erosion control Best Management Practices (BMPs) to promote erosion and sediment control on construction sites.

Milestones: Require SWPPPs on all site plans disturbing one acre or more. Review and verify the use of appropriate sediment and erosion control BMPs.

All site plans disturbing one acre or more are required to have a SWPPP. The City's site plan review procedures include review and verification on the use of appropriate sediment and erosion control BMPs.

BMP No. D.4 Site Plan Review Procedures

Brief Description of BMP: Review and approve all site plans in compliance with the stormwater ordinance and development review procedures.

Measurable Goal(s), including frequencies: Review all site plans, LDP, and SWPPPs.

Milestones: Review all site plans, LDP, and SWPPPs.

The City's reviewed and approved all site plans.

BMP No. D.5 Public Information of Handling Procedures

Brief Description of BMP: Provide public services for complaint relating to construction, site erosion and sediment control.

Measurable Goal(s), including frequencies: Track and log all complaints.

Milestones: Track and log all complaints.

The City followed up on all complaints in request for construction, site erosion or sediment control. The City is working on implementing a better tracking system for complaints.

BMP No. D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP: The City preforms construction site inspections to verify and enforce storm water ordinance compliance.

Measurable Goal(s), including frequencies: For each construction site, inspections will need to occur during the construction process to ensure they are following the storm water code. Anything out of the ordinary will be recorded and followed up.

Milestones: Each construction site will require inspections to verify and enforce storm water code compliance.

Sites are inspected at least once during construction and post stabilization to verify that they are achieving compliance. Larger sites will be visited more. The City has 17 active Land Disturbance Permits, see Exhibit 3.

BMP No. E.2 Regulatory Control Program

Brief Description of BMP: Enforce the City's Storm Water Ordinance.

Measurable Goal(s), including frequencies: Enforce the City's Storm Water Ordinance. Update and modify as necessary.

Milestones: Provide and continue internal policies to enforce the City's Storm Water Ordinance.

The City continued to implement procedures in accordance with City regulations.

BMP No. E.5 Site Inspection During Construction

Brief Description of BMP: Provide construction site inspections for storm water code compliance.

Measurable Goal(s), including frequencies: Perform construction site inspections for storm water code compliance.

Milestones: Inspect all construction sites at least once during construction. The City performs inspections for all sites requiring a Land Disturbance Permit.

The City inspected all construction sites for storm water code compliance. The City has 17 active Land Disturbance Permits, see Exhibit 3.

BMP No. E.6 Post-Construction Inspections

Brief Description of BMP: Provide post-construction site inspections to assure compliance with the City's storm water regulations and the approved site plan.

Measurable Goal(s), including frequencies: Complete post-construction site inspections prior to releasing site bonds to assure that sites are constructed in accordance with the approved site plan and City regulations.

Milestones: Complete post-construction site inspections prior to releasing the site bond.

The City performed post-construction site inspections for all construction sites disturbing one acre or more.

BMP No. F.1 Employee Training Program

Brief Description of BMP: Provide training and direction to employees on the efficient application of salt on roadways for winter snow / ice removal operations.

Measurable Goal(s), including frequencies: Provide yearly training/re-training and direction to employees on salt application rates for winter snow / ice removal operations. As well as training on how to properly handle heavy snow removal equipment.

Milestones: Provide salt application training prior to winter snow / ice removal operations and direction as to application amounts during operations.

Training procedures have been prepared and provided on salt application during winter operations. Training was held prior to the snow season in 2022 on November 4th.

BMP No. F.2 Inspection and Maintenance Program

Brief Description of BMP: Sweep City Streets in order to reduce potential pollutants.

Measurable Goal(s), including frequencies: Sweep each City street with curb and gutter twice each year.

Milestones: Sweep each curb and gutter street twice each year.

Street sweeping is occurring on each curb and gutter street at least twice each year. 4,966 miles were swept in 2022

BMP No. F.3 Municipal Operations Storm Water Control

Brief Description of BMP: Control the application of salt placed on City streets.

Measurable Goal(s), including frequencies: Using metering devices on the spreaders, monitor the amount of salt placed on City streets during ice and snow removal operations. Provide yearly training of City maintenance staff on salt application and control procedures.

Milestones: Control and monitor the amount of salt placed on City streets during ice and snow removal operations. Provide training on salt application and control.

Salt application is monitored during ice and snow removal operations using the Force America 5100 Spreader Control and 5100ex Spreader Control systems. The control systems are both monitored by CompassCom and they also monitor when the plow is up or down. Training was provided to crews regarding salt application.

BMP No. F.6 Pollution Prevention and Good Housekeeping

Brief Description of BMP: Clean catch basins within the separate storm water collection system in order to reduce potential pollutants.

Measurable Goal(s), including frequencies: Clean at least 500 catch basins per year. These numbers are recorded for each basin cleaned.

Milestones: Continue to clean catch basins every year.

For the reporting year, 823 catch basins were pumped.

Monitoring

Brief Description of BMP: Perform stream surveys and outfall monitoring for seven major outfalls throughout the City of Decatur.

City of Decatur staff selected seven large and important stormwater outfalls throughout the City of Decatur. Together, these outfalls take stormwater from large portions of the City. Runoff from residential, commercial, and industrial areas flow through these outfalls. An outfall monitoring form was made, following a River Watch habitat survey sheet. Over the past year, each of these outfalls were inspected. Pictures were taken, and outfall monitoring sheets were completed. Each of these outfall monitoring forms, as well as a map showing the locations of these outfalls in the City, are included in Exhibit 2.

ITEM D: Activities Planned for the next Reporting Period

The City plans to continue to refine the BMP Controls

ITEM E: NOTICE THAT ANOTHER GOVERNMENT ENTITY IS BEING USED TO SATISFY SOME OF OUR PERMIT OBLIGATIONS

The Macon County Soil and Water Conservation District assist with the education services for the City of Decatur.

ITEM F: CONSTRUCTION PROJECTS PAID FOR BY THE CITY OF DECATUR (That would have required an NPDES Construction Permit)

City of Decatur Firehouse 7
Country Club Rd Reconstruction

ITEM G: ILLICIT DISCHARGES IDENTIFIED / REMOVED

The City received complaint of a carpet cleaning company discharging waste in park, the City inspected the location to not find any sign of debris and also followed up with the company to discuss the proper disposal of waste.

Exhibit 1

MS4 Brochures & Education Events

Why do we care about erosion from construction sites?

Sediment is the number one pollutant that flows from construction sites. It degrades water quality and can harm our water supply.

Macon County, the City of Decatur, the Village of Forsyth, and the Village of Mt. Zion are working together to do their part in protecting and improving water quality.

This brochure is designed to be a quick reference to some commonly used Best Management Practices to prevent erosion.

Failure to install BMP's could bring about costly fines, stop work orders, and expensive clean ups.



Who Should I Contact?



City of Decatur
217-424-2724



Macon County
217-425-6583



Village of Forsyth
217-433-9597



Village of Mt. Zion
217-864-4811

For Inspections:

In Macon County: 217-425-6583
Decatur, Forsyth, & Mt. Zion:
Macon County Soil and Water
Conservation District
217-877-5670 Ext 3

EROSION & SEDIMENT CONTROL TIPS FOR INDIVIDUAL LOT CONSTRUCTION

www.maconcleanwater.com



A collaborative effort of the
Macon County MS4 Communities

Best Management Practices for Individual Lot Construction

Correctly installed and maintained BMP's can help ensure that sediment generated from construction activity remains on-site. The following BMP's are commonly used for individual lot construction:

Construction Entrance

- Use to prevent tracking soil onto road
- Use 2"-3" stone, 6" deep
- Install during clearing phase and maintain throughout construction
- Install geotextile fabric under entrance



Rock Outlet Protection

- Use to dissipate energy from concentrated flows
- Helps prevent eroded channels downstream
- Use oversized stone appropriate for design velocities
- Install geotextile fabric under riprap



Sediment Barriers

- Use to trap sediment and intercept runoff
- Install prior to clearing phase
- Ensure silt fence is installed correctly by entrenching a portion of it in the ground and place stakes on the downhill side
- Maintain until vegetation is established; keep it upright and remove collected sediment
- Do not use on steep slopes or concentrated flow areas



Sediment Cleanup

- At the end of each work day sweep or scrape soil tracked onto roads
- After storm events inspect for off-site sediment movement and repair damage to barriers
- Remove sediment that penetrated barriers and remove build-up

Inlet Protection

- Protect all stormwater inlets- they are a direct conveyance to streams and rivers
- Install prior to clearing phase
- Filter fabric and temporary seeding are standard for inlet protection



Stockpile Placement and Protection

- Build stockpiles away from critical areas such as streams, drainage ways, and stormwater inlets
- Use temporary seed, such as rye or winter wheat, to stabilize pile until removed or re-graded



Re-vegetation/ Surface Protection

- Try to preserve existing trees, shrubs, and other vegetation when possible
- Use to stabilize exposed surfaces from erosion
- Use seed or sod to cover exposed soils after final grade is completed
- Seed critical areas such as drainage swales, right-of-way areas, areas near curb inlets, buffer areas along streams and wetlands
- Mulching can be used when temporary seeding is not practical and can be done in any weather situation



"All the water that will ever be is right now"

Bioswales

Bioswales are storm water runoff conveyance systems that provide an alternative to storm sewers. They can absorb low flows or carry runoff from heavy rains to storm sewer inlets or directly to surface waters. Bioswales improve water quality by infiltrating the first flush of storm water runoff and filtering the large storm flows they convey. The majority of annual precipitation comes from frequent, small rain events. Much of the value of bioswales comes from infiltrating and filtering nearly all of this water.



Who should I contact if I want to know more about these practices?

City of Decatur
217-424-2724

Macon County
217-425-6583

Village of Forsyth
217-433-9597

Village of Mt. Zion
217-864-4811

Green Infrastructure



*Prepared by: Macon County
Municipal Separate Storm
Sewer System (MS4)
Communities*

What is Green Infrastructure?

Green Infrastructure is a network for solving urban and climatic challenges by building with nature. The main components are stormwater management, climate adaptation, less stress heat, better air quality, and clean water and healthy soils. It also serves to provide an ecological framework for social, economical, and environmental health of the surroundings.

Rain Gardens

Rain Gardens are landscaped areas built in a depression that are designed to capture and filter stormwater runoff from a roof or other impervious surface. The plants and soil of the rain garden provide an easy, natural way of reducing the amount of stormwater runoff from individual residential properties.

Pervious Pavement

Pervious pavement may include paving blocks, grid pavers, or pervious concrete installed according to manufacturer's specifications. Pervious pavement can be used for driveways and patios with a stone reservoir underneath. The reservoir temporarily stores surface runoff before infiltrating it into the soil below the stone reservoir. Runoff is infiltrated directly into the soil and improves water quality.



Green Roofs

A green roof is a roof that is partially or completely covered with vegetation and waterproofing membrane. A green roof's purpose is to absorb rainwater, provide insulation, create habitat for wildlife, and help lower urban air temperatures.



Mission Statement for Municipal Separate Storm Sewer System

Our Municipal Separate Storm Sewer System (MS4) purpose is to protect, maintain, and enhance the environment of the jurisdictions and the public health, safety, and welfare of the citizens by controlling discharges of pollutants to the storm water system, by maintaining and improving the quality of the receiving waters into which the storm water outfalls flow, including without limitation lakes, rivers, streams, ponds, wetlands, and groundwater, and to enable compliance with the National Pollution Discharge Elimination System permit (NPDES) and applicable regulations for storm water discharges.



Web Sites for More Information:

www.maconcleanwater.com

Contact:

City of Decatur 424-2747

Macon County 424-1466

Village of Forsyth 877-9445

Village of Mt. Zion 864-4811



**WHEN IT
RAINS.....
IT DRAINS
BE THE SOLUTION TO
STORMWATER POLLUTION**

Basics of Water Pollution

Point Source Water Pollution

This is pollution that flows from pipes or comes from specific points such as an industrial site. This type of pollution is regulated by State laws.

Non-Point Source Water Pollution

This type of pollution results from land runoff, precipitation, atmospheric deposition, drainage and seepage. This pollutant is caused by rainfall and snowmelt moving over the ground. This activity collects pollutants and chemicals which are deposited into various creeks, lakes and water sources. This type of pollutant is not closely regulated but can be prevented by education.

**Be The Solution to
Storm Water
Pollution**

How Can You Make A Difference?

Household Chemicals

Problem: Many people do not know where to dispose of chemicals from the home.

Solution: Take all household chemicals to collection sites on specified days. Please see Macon County Environmental Agency website for additional information and the specific collection dates.
www.macongreen.com

Yard and Garden

Problem: Many homeowners over fertilize their yard because they enjoy the look of a green yard.

Solution: Do not over fertilize your yard. Always follow the manufacturer's recommendations.

Do not apply when rain is in the forecast. Not only is it a waste of time and money, but the chemicals easily wash away in the runoff after a storm.

Do choose natural fertilizers such as compost or grass clippings.

Pet Waste

Problem: Many people allow their pet's waste to wash down the storm drain.

Solution: Pick up pet's waste when going for walks.

Auto Maintenance

Problem: Many people are not careful when performing routine maintenance on their vehicles.

Solution: Do not dump motor oil or fluids down a storm drain.

Do not clean up fluid spills with water. Other alternatives for clean up is kitty litter, sawdust, or wood chips to soak up the spill.

Do take your vehicle to the car wash so the soap and dirt is properly disposed of.

Do properly dispose of all motor oil and fluids properly. Many oil change shops will take used oil at no charge.



41st Annual Festival of Spring

At Rock Springs Nature Center

An Earth Day Celebration

Saturday, April 23, 2022 8:00am to 4:00pm

MORNING

BIRD BANDING

8:00am – 10:00am

Information Shelter north of parking lot

Dr. Travis Wilcoxon, from Millikin University, will host a bird banding event in the area near the pavilions. Learn about banding and see local song birds in person and up close.

SPRING MIGRATION WALK

9:00am – 10:00am

Information shelter, north of the parking lot

Join us for a walk on the trails in search of early spring migrants as well as birds who are in Central Illinois year round. Spring is a wonderful time to discover new birds. Bring your own binoculars or borrow ours.

SANGAMON RIVER CLEAN UP

10:00am-12:00pm, Registration at 9:30am

Meet at the Wyckles Road Canoe Launch

Clean Up Event – Organized groups should call in advance so we can accommodate the size of your group: 217-423-7708. Co-sponsored by Community Environmental Council and Macon County Conservation District

AFTERNOON

BIRDS OF PREY SHOWS – Rock Springs Nature Center
Greenberg Auditorium

12:00pm, 1:30pm, or 3:00pm.

Learn about and meet these predatory birds of prey with the Illinois Raptor Center. You can also watch LIVE at 1:30pm on the Conservation District's Facebook page. Provided by Decatur Audubon.

WONDERFUL WILDFLOWERS WALK

1:00am – 2:00am

Meet at the Information Shelter

Enjoy a leisurely walk in the woods to discover early spring flowers.

EARTH DAY CELEBRATION HIKE

2:30pm - 3:30pm

Meet at the Information shelter

Enjoy a hike to celebrate nature and our amazing home planet. There is always something to discover.

BOOK EXCHANGE

12:00pm - until books are gone

Information Shelter Area

Bring books to exchange. No books to trade? Just leave a small donation for the books you take.

MISTER SOFTEE ICE CREAM

3:00pm. to 4:00pm

WAGON RIDES

12:00pm - 3:30pm - first come, first served

Meet at Nature Center South Entrance

Enjoy a tour around the area in style! Free

Celebrate Spring with us!

MORE ON THE BACK

STORMWATER WORKSHOP

for Contractors, Engineers,
Public Works and Elected Officials

7:30 a.m.—12:30 p.m.

Wednesday, November 2, 2022

Richland College Shilling Center

1 College Park, Decatur IL 62521

*** earn 3 pdh credits ***

Please register by clicking the “register here tab” on our website at
www.maconcleanwater.com on or before October 17, 2022

A G E N D A

7:30 A.M. Breakfast and Registration

8:00 A.M. Patrick McPartlan, Kane-DuPage SWCD, CPESC / Resource Conservationist
INTRODUCTION TO GOOD AND BAD STORMWATER BEST MANAGEMENT PRACTICES

8:45 A.M. Becky Monreal, Kane-DuPage SWCD / Resource Analyst
ILLINOIS URBAN MANUAL

9:30 A.M. Todd Bennett, Illinois EPA Manager Field Operations Section Bureau of
Water Division of Water Pollution and Control
WHATS NEW — REGULATION, PERMITTING ILR-10 UPDATES

10:15 A.M. Break

10:30 A.M. Todd Bennett, Illinois EPA Manager Field Operations Section Bureau of
Water Division of Water Pollution and Control
WHAT TO EXPECT FORM AN IEPA SITE INSPECTION

11:30 A.M. Kate Johnson, USEPA Water Infrastructure Coordinator,
U.S. Environmental Protection Agency Region 5
EPA'S WATER INFRASTRUCTURE FINANCING OPPORTUNITIES



Brought to you by the MS4 Work Group of Macon County, including:



You Are Invited

Nutrient Stewardship Field Day

T U E S D A Y

JULY 26

10 A.M. – 12 P.M.

RAIN OR SHINE



As part of ongoing work in the Lake Decatur Watershed, Piatt and Macon County Farm Bureaus (CFBs) are hosting a field day in the watershed, focused on watershed planning updates. Partners for the field day include the City of Decatur, Northwater Consulting, and local Soil and Water

Conservation Districts. Presenters will provide information about the history of work in the watershed, as well as provide updates on ongoing and future opportunities for landowners and producers in the watershed.

HEAR FROM MANY SPEAKERS, INCLUDING:

Baley Milton, Manager, Piatt CFB, and
Tim Stock, Manager, Macon CFB
Welcome and emcee

Drew Whalen, Senior Merchandiser,
Clarkson Grain Company – **Welcome to
Site and Operation Overview**

Raelynn Parmely, Environmental
Program Manager, Illinois Farm Bureau
(IFB) – **IFB Nutrient Stewardship
Efforts**

Keith Alexander, Water Production
Manager, City of Decatur – **History
of City of Decatur's Involvement in
Watershed Work**

Jennifer Gunter, Watershed and Lake
Manager, City of Decatur – **Present and
Future Work in the Watershed**

Jeff Boeckler, Principal Water Resource
Specialist, Northwater Consulting –
**Watershed Management Program and
RCPP Update**

Jonah Cooley, Resource Conservationist,
Piatt County Soil and Water Conservation
District (SWCD) – **History of SWCD Work
in the Watershed and Overview of
Programs**

LOCATION:

Clarkson Grain, 924 North State
Route 32, Cerro Gordo, IL 61818

RSVP:

By Monday, July 18th to the Piatt
CFB by calling (217) 762-2128

DETAILS:

Lunch will be provided.

Follow signs to parking locations.

Brought to you by your local community partners:





Macon County Soil & Water Conservation District
3342 N President Howard Brown Blvd.
Decatur, IL 62521-6207
217-877-5670 Ext 3

May 22, 2023

To whom it may concern,

Macon County Soil and Water has been in contact with Amy Mckinney with Macon County Environmental Management several times over the last month to give the event numbers for the annual MS4 report. Macon County Soil and Water has taken care of the education events for MS4 over the last several years and completed those events for 2022 as well. However, the district has suffered staffing issues over the last 4 months and can not produce the exact numbers for these events. The board of directors has searched the files and computers of the employees that kept these records, and they cannot be found unfortunately. We know the events were completed just are lacking the impact numbers. The district is planning to meet with the MS4 group to make a plan so that we don't have this in the future. Thank you for your understanding and the board hopes to avoid this issue in the future.

Chase Brown

Chase Brown
Chairman of the Board
Macon County Soil and Water

Exhibit 2

Outfall Monitoring Sheets



Outfall Monitoring Sheet

Site ID #: N E Drainage Ditch
Stream: _____
Date: _____

Name(s) of Inspector(s): Corey Tatum / Ronnie Dalgas

Start Time: 6:15 (am) pm

End Time: 6:30 (am) pm

Present Weather

☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 45 °F °C
Water _____ °F °C

Water Appearance

☒ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

☒ Clear
☐ Slight
☐ Medium
☐ Heavy

Canopy Cover

☐ 0% ☒ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Algal Growth

☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes (No)

If yes, what types?

List the types of riparian (stream side) vegetation present at the site. Saplings / grass

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

A Bedrock

B Boulder (> 10 in)

C Hard Pan Clay

B Cobble (2.5 in – 10 in)

B Gravel (0.1 in – 2.5 in)

Other _____

D Sand (<0.1 in)

B Silt

Stream Discharge Estimate

Stream Width: _____ feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

Discharge (width x depth x velocity) $\frac{9}{A} \text{ ft} \times \frac{1}{B} \text{ ft} \times \frac{1.0}{C} \text{ ft/sec} = \frac{9}{\text{ft}^3/\text{sec}}$

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

	Forest (W1)		Logging (W2)		Golf Course (W3)
X	Grassland and Ungrazed Field (W4)	D	Commercial (W6)	X	Scattered Residential (W7)
	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____		Sewage Treatment (W10)
	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____	X	Industrial (W16)
	Other (W17) _____				

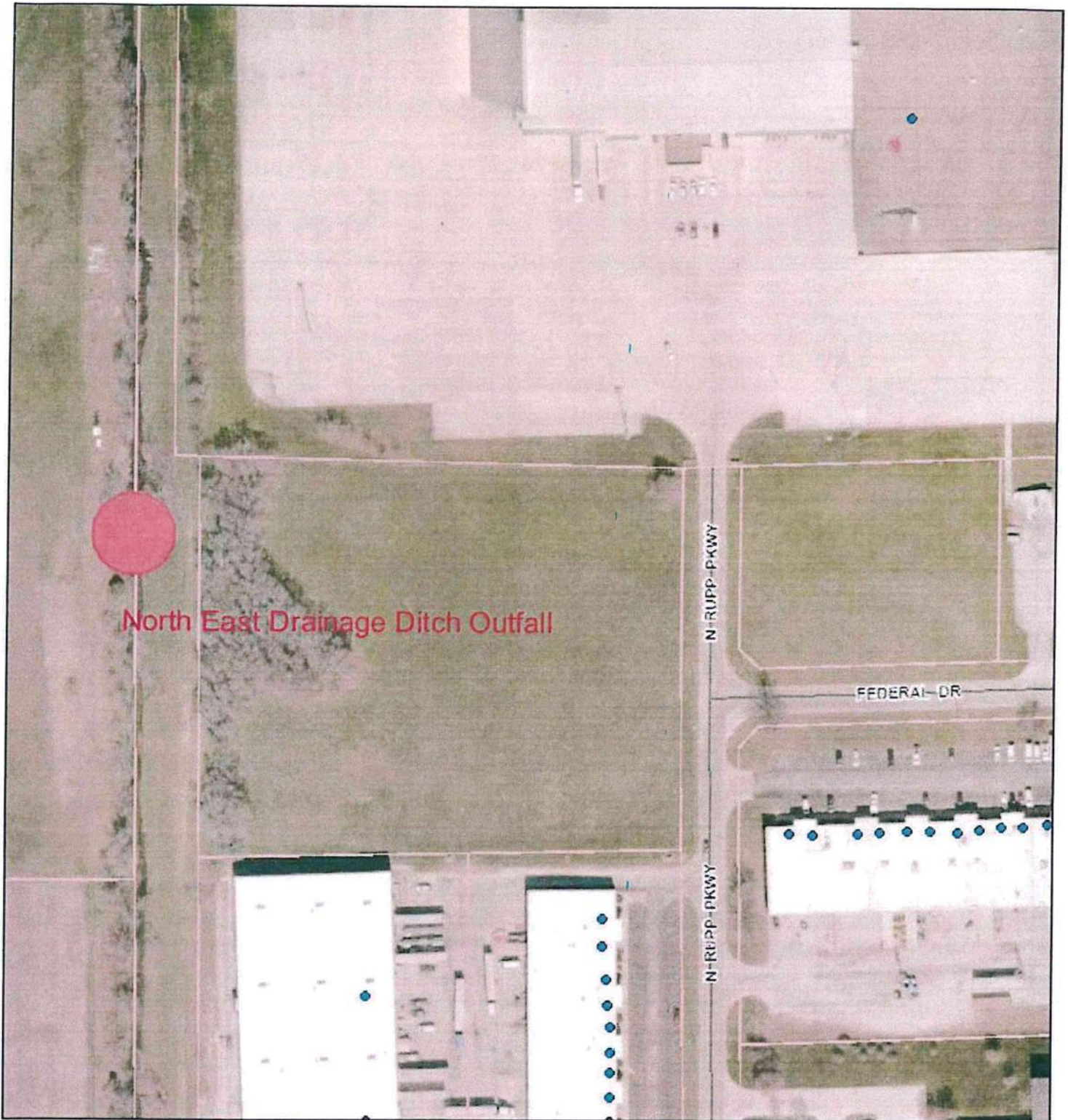
Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) ☒ YES ☐ NO
If yes, approximately how far upstream? Beaver Dam 300 FT
2. **Wastewater treatment discharge upstream?** YES ☒ NO
If yes, approximately how far upstream? _____
3. **Any pipes emptying directly into or near your study site?** YES ☐ NO ☐
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? ☒ YES ☐ NO
If yes, what percentage of your site has been channelized? 75 %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

Downed trees from beaver

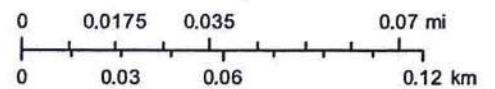
Engineering GIS



3/15/2018, 3:53:20 PM

1:2,257

- | | |
|-------------------------------|-------------------------|
| ● Addresses | — Arterial |
| — Decatur City Limits | — Residential |
| Roads (small scale) | — County Highway |
| — <all other values> | — Railroad Tracks |
| — Interstate Highway | — Macon Co. Tax Parcels |
| — State Route or U.S. Highway | |





Outfall Monitoring Sheet

Site ID #: Livestock Park
Stream: _____
Date: _____

Name(s) of Inspector(s): Ronnie Deltage / Corey Tetun

Start Time: 8:54 am pm

End Time: 9:08 am pm

Present Weather

☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 44 °F °C
Water _____ °F °C

Water Appearance

☐ Clear
☐ Milky
☐ Foamy
☒ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

☒ None
☐ Sewage
☐ Chlorine
☒ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

☐ Clear
☒ Slight
☐ Medium
☐ Heavy

Canopy Cover

☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☒ 51-75% ☐ 76-100%

Algal Growth

☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

☐ 0% ☐ 1-5% ☒ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes No

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. Trees & Bush

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

<u>A</u> Bedrock	<u>A</u> Cobble (2.5 in – 10 in)	<u>A</u> Sand (<0.1 in)
<u>A</u> Boulder (> 10 in)	<u>A</u> Gravel (0.1 in – 2.5 in)	<u>C</u> Silt
<u>A</u> Hard Pan Clay	<u>F</u> Other <u>Mud Made Channel</u>	

Stream Discharge Estimate

Stream Width: _____ feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

water not moving

Discharge (width x depth x velocity) $\frac{27}{A}$ ft x $\frac{4.6}{B}$ ft x _____ ft/sec = _____ ft³/sec
C

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

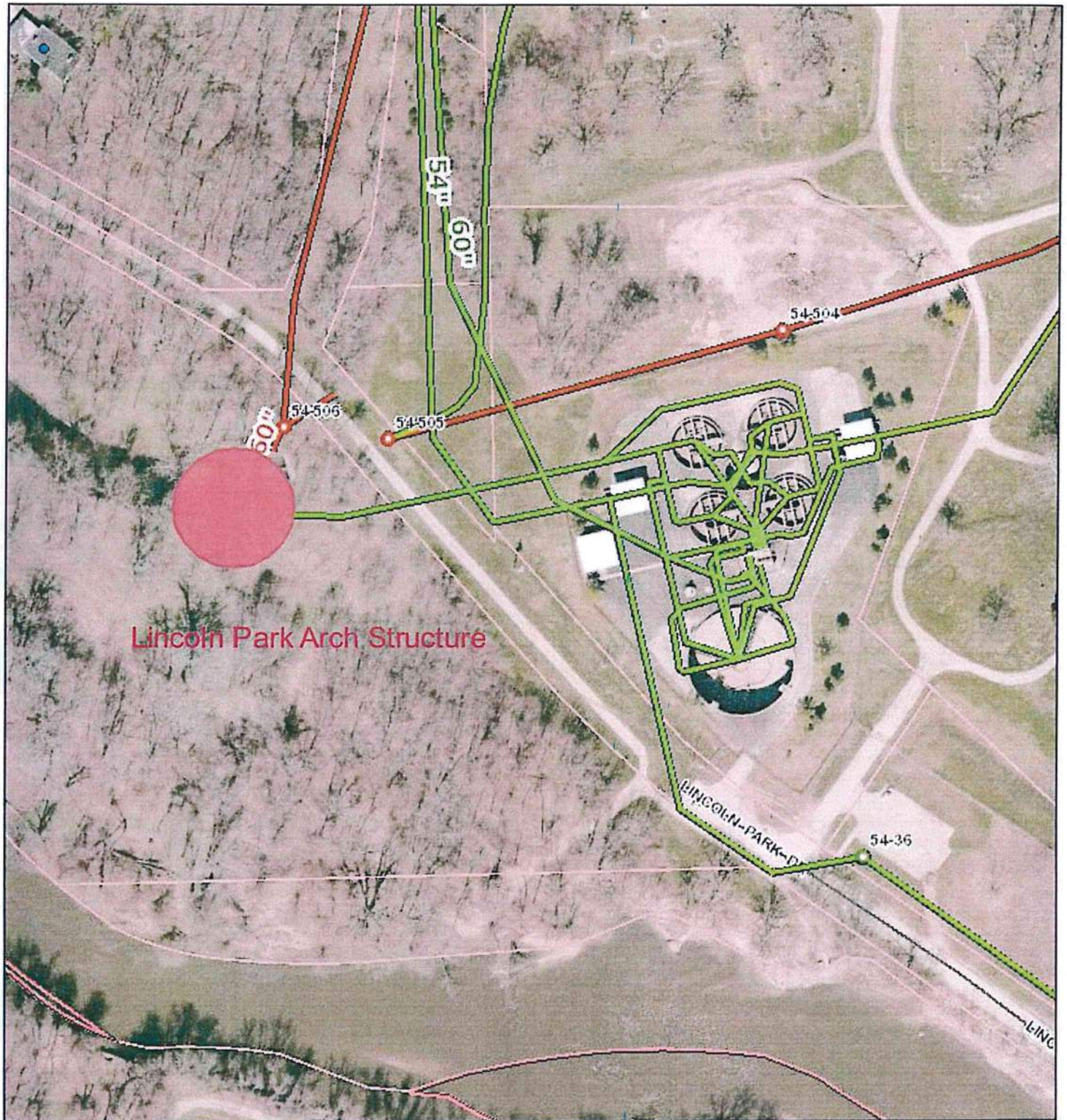
<input checked="" type="checkbox"/>	Forest (W1)		Logging (W2)		Golf Course (W3)
	Grassland and Ungrazed Field (W4)		Commercial (W6)	<input checked="" type="checkbox"/>	Scattered Residential (W7)
<input checked="" type="checkbox"/>	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____	<input checked="" type="checkbox"/>	Sewage Treatment (W10)
<input checked="" type="checkbox"/>	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____		Industrial (W16)
<input checked="" type="checkbox"/>	Other (W17) <u>Cemetery</u>				

Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) ☒ YES ☐ NO
If yes, approximately how far upstream? City Dam
2. **Wastewater treatment discharge upstream?** ☒ YES ☐ NO
If yes, approximately how far upstream? CSO Facility 400 ft
3. **Any pipes emptying directly into or near your study site?** ☒ YES ☐ NO
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? ☒ YES ☐ NO
If yes, what percentage of your site has been channelized? 100 %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.) 3 pics

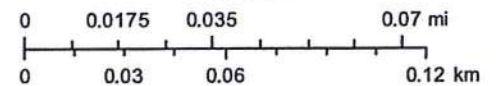
Engineering GIS



3/16/2018, 8:32:06 AM

1:2,257

- | | | |
|---------------------|----------------------------|-------------------------------|
| ● Addresses | Mains | — State Route or U.S. Highway |
| Decatur City Limits | — Combined | — Arterial |
| — Catch Basins | — Sanitary | — Residential |
| + Cleanouts | — Stormwater | — County Highway |
| Manholes | Roads (small scale) | — Railroad Tracks |
| + Sanitary | — <all other values> | — Macon Co. Tax Parcels |
| + Stormwater | — Interstate Highway | |





Outfall Monitoring Sheet

Site ID #: Lincoln Park/40

Stream: _____

Date: 2/15/23Name(s) of Inspector(s): Corey Tatum / Rennie DellingerStart Time: 8 : 36 am pmEnd Time: 8 : 49 am pm**Present Weather**

- ☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

- ☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

TemperatureAir 44 °F °CWater 45 °F °C**Water Appearance**

- ☒ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

- ☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

- ☒ Clear
☐ Slight
☐ Medium
☐ Heavy

Canopy Cover☐ 0% ☒ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%**Algal Growth**☐ 0% ☐ 1-5% ☒ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%**Substrate Siltation Coverage:** Estimate the percentage of the stream bed that is covered by silt.☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%**Are there Submerged Aquatic Plants?**Yes No

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. Trees

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

A Bedrock
F Boulder (> 10 in)
A Hard Pan Clay

B Cobble (2.5 in – 10 in)
A Gravel (0.1 in – 2.5 in)
C Other Tree Limbs

B Sand (<0.1 in)
A Silt

Stream Discharge Estimate

Stream Width: 7 feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. ft
2. ft
3. ft

Average Depth = feet
B

Velocity Calculations:

10 ft ÷ seconds = ft/sec

10 ft ÷ seconds = ft/sec

10 ft ÷ seconds = ft/sec

Average Velocity = ft/sec
C

water too shallow to get speed

Discharge (width x depth x velocity) 7 ft x ^{0.05}0.05 ft x ft/sec = 0 ft³/sec
A B C

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

	Forest (W1)		Logging (W2)		Golf Course (W3)
	Grassland and Ungrazed Field (W4)		Commercial (W6)	X	Scattered Residential (W7)
D	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) <u> </u>		Sewage Treatment (W10)
X	Park (W11)		Mining (W12) Type? (W12T) <u> </u>		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) <u> </u>		Industrial (W16)
	Other (W17) <u> </u>				

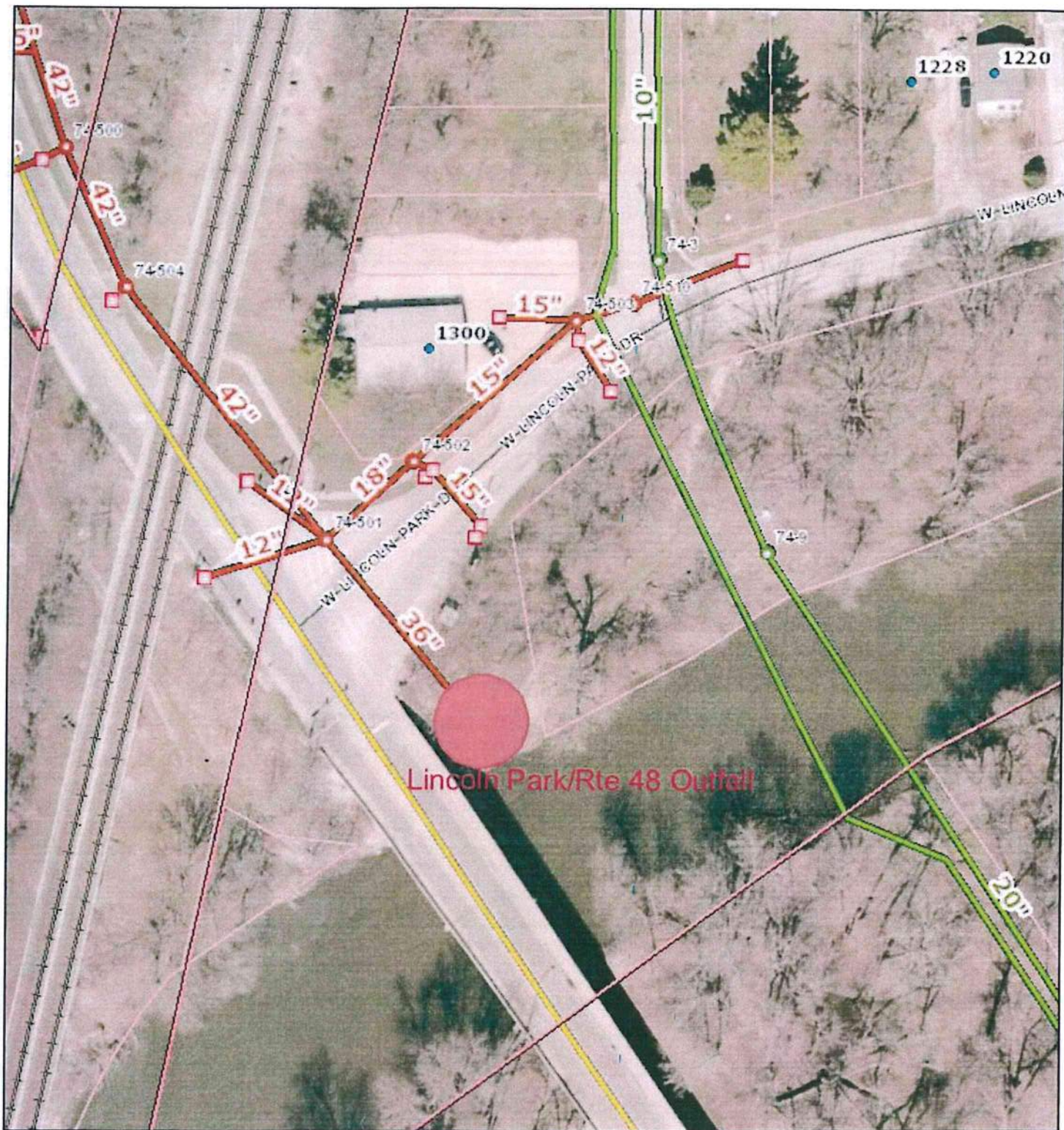
Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) YES NO
If yes, approximately how far upstream? City of Beavertown Dam
2. **Wastewater treatment discharge upstream?** YES NO
If yes, approximately how far upstream? CSO Facility
3. **Any pipes emptying directly into or near your study site?** YES NO
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? YES NO
If yes, what percentage of your site has been channelized? %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

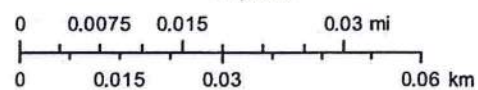
2 pics

Engineering GIS



3/16/2018, 8:26:35 AM

1:1,128





Outfall Monitoring Sheet

Site ID #: Monroe St.

Stream: _____

Date: _____

Name(s) of Inspector(s): Ronnie Dalgage / Corey Tatum

Start Time: 9 : 40 (am) pm

End Time: 9 : 57 (am) pm

Present Weather

- ☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

- ☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 45 °F °C

Water _____ °F °C

Water Appearance

- ☒ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

- ☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

- ☐ Clear
☒ Slight
☐ Medium
☐ Heavy

Canopy Cover

- ☐ 0% ☐ 1-5% ☒ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Algal Growth

- ☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

- ☐ 0% ☐ 1-5% ☐ 6-25% ☒ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes ☐ No ☒

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. Grass / Trees

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

A Bedrock

A Boulder (> 10 in)

D Hard Pan Clay

A Cobble (2.5 in – 10 in)

C Gravel (0.1 in – 2.5 in)

____ Other _____

B Sand (<0.1 in)

C Silt

Stream Discharge Estimate

Stream Width: _____ feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

Discharge (width x depth x velocity) $\frac{3}{A} \text{ ft} \times \frac{1.6}{B} \text{ ft} \times \frac{0.5}{C} \text{ ft/sec} = \frac{24}{\text{ft}^3/\text{sec}}$

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

	Forest (W1)		Logging (W2)		Golf Course (W3)
<input checked="" type="checkbox"/>	Grassland and Ungrazed Field (W4)	<input checked="" type="checkbox"/>	Commercial (W6)		Scattered Residential (W7)
<input checked="" type="checkbox"/>	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____		Sewage Treatment (W10)
	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____		Industrial (W16)
	Other (W17) _____				

Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) YES ☒ NO
If yes, approximately how far upstream? _____
2. **Wastewater treatment discharge upstream?** YES ☒ NO
If yes, approximately how far upstream? _____
3. **Any pipes emptying directly into or near your study site?** ☒ YES NO
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? ☒ YES NO
If yes, what percentage of your site has been channelized? 50 %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

Sediment Buildup on North side
erosion throughout
2 pics

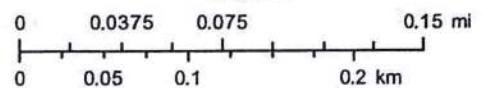
Engineering GIS



3/16/2018, 7:03:13 AM

1:4,514

- | | |
|---|---|
|  Decatur City Limits |  Arterial |
| Roads (small scale) |  Residential |
|  <all other values> |  County Highway |
|  Interstate Highway |  Railroad Tracks |
|  State Route or U.S. Highway | |





Outfall Monitoring Sheet

Site ID #: Locust # 31st
Stream: _____
Date: _____

Name(s) of Inspector(s): Tatan / Dillga

Start Time: 11:09 am pm

End Time: _____:_____ am pm

Present Weather

- ☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

- ☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 49 °F °C
Water 44 °F °C

Water Appearance

- ☒ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

- ☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

- ☒ Clear
☐ Slight
☐ Medium
☐ Heavy

Canopy Cover

- ☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☒ 76-100%

Algal Growth

- ☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

- ☐ 0% ☐ 1-5% ☐ 6-25% ☒ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes No

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. trees / saplings / bushes

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

- | | | |
|----------------------------|-----------------------------------|-------------------------|
| <u>A</u> Bedrock | <u>C</u> Cobble (2.5 in – 10 in) | <u>E</u> Sand (<0.1 in) |
| <u>B</u> Boulder (> 10 in) | <u>F</u> Gravel (0.1 in – 2.5 in) | <u>D</u> Silt |
| <u>C</u> Hard Pan Clay | Other _____ | |

Stream Discharge Estimate

Stream Width: _____ feet
A

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Discharge (width x depth x velocity) $\frac{6}{A} \text{ ft} \times \frac{0.5}{B} \text{ ft} \times \frac{0.5}{C} \text{ ft/sec} = 1.5 \text{ ft}^3/\text{sec}$

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

	Forest (W1)		Logging (W2)		Golf Course (W3)
X	Grassland and Ungrazed Field (W4)		Commercial (W6)	X	Scattered Residential (W7)
D	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____		Sewage Treatment (W10)
	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____	X	Industrial (W16)
D	Other (W17) <u>fair yard</u>				

Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) YES NO
If yes, approximately how far upstream? _____
2. **Wastewater treatment discharge upstream?** YES NO
If yes, approximately how far upstream? _____
3. **Any pipes emptying directly into or near your study site?** YES NO
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? YES NO
If yes, what percentage of your site has been channelized? 50 %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

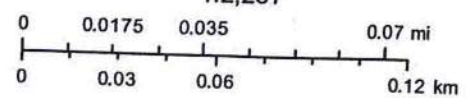
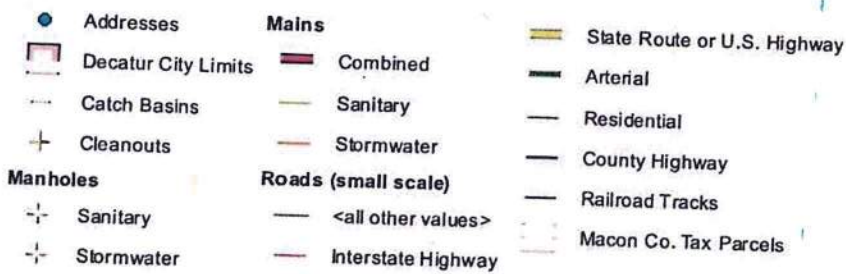
Spick
log jam
(broken up by talus)

Engineering GIS



3/15/2018, 3:39:35 PM

1:2,257





Outfall Monitoring Sheet

Site ID #: Lake Ridge/Trinity
Stream: _____
Date: _____

Name(s) of Inspector(s): Tatum / Dalluge

Start Time: 11 : 45 am pm

End Time: 12 : 02 am pm

Present Weather

☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 49 °F °C
Water 44 °F °C

Water Appearance

☒ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☐ Green
☐ Other _____

Water Odor

☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

☒ Clear
☐ Slight
☐ Medium
☐ Heavy

Canopy Cover

☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Algal Growth

☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

☐ 0% ☐ 1-5% ☐ 6-25% ☒ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes No

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. grass

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

☐ Bedrock
A Boulder (> 10 in)
C Hard Pan Clay

B Cobble (2.5 in – 10 in)
D Gravel (0.1 in – 2.5 in)
____ Other _____

B Sand (<0.1 in)
D Silt

Stream Discharge Estimate

Stream Width: _____ feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

No movement of water

Discharge (width x depth x velocity) $\frac{11}{A}$ ft x $\frac{1}{B}$ ft x _____ ft/sec = _____ ft³/sec
C

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

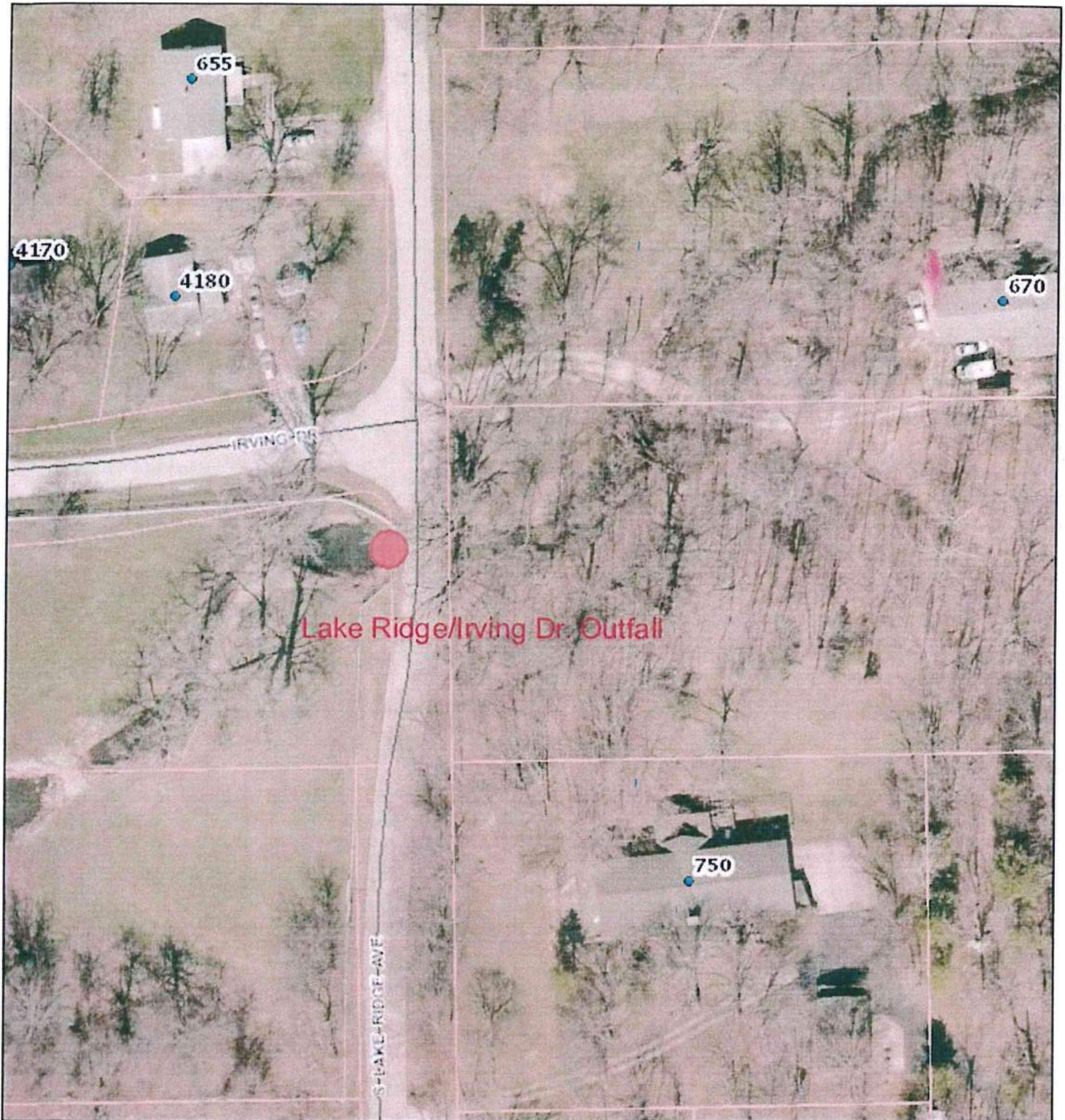
<input checked="" type="checkbox"/>	Forest (W1)		Logging (W2)		Golf Course (W3)
	Grassland and Ungrazed Field (W4)		Commercial (W6)	<input checked="" type="checkbox"/>	Scattered Residential (W7)
<input checked="" type="checkbox"/>	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____		Sewage Treatment (W10)
	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
<input checked="" type="checkbox"/>	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____		Industrial (W16)
	Other (W17) _____				

Please circle YES or NO and provide the necessary information to answer the following questions:

1. Upstream dam? (including beaver dams) YES ☒ NO
If yes, approximately how far upstream? _____
2. Wastewater treatment discharge upstream? YES ☒ NO
If yes, approximately how far upstream? _____
3. Any pipes emptying directly into or near your study site? ☒ YES NO
4. Channel Alteration. Has the stream been channelized (straightened) at your site? YES ☒ NO
If yes, what percentage of your site has been channelized? _____ %

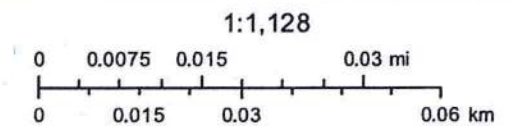
Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

Engineering GIS



3/16/2018, 8:52:18 AM

- Addresses
- Decatur City Limits
- Roads (small scale)**
 - <all other values>
 - Interstate Highway
 - State Route or U.S. Highway
- Arterial
- Residential
- County Highway
- Railroad Tracks
- Macon Co. Tax Parcels





Outfall Monitoring Sheet

Site ID #: Marietta Valley view
Stream: _____
Date: 2/15/23

Name(s) of Inspector(s): Tatum/Dalluge

Start Time: 1:36 am pm

End Time: 1:55 am pm

Present Weather

☒ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☐ Rainy (Steady)
☐ Stormy (Heavy)

Worst Weather in past 48 hours

☐ Clear/Sunny
☐ Overcast
☐ Showers (Intermittent)
☒ Rain (Steady)
☐ Storm (Heavy)

Temperature

Air 50 °F °C
Water 42 °F °C

Water Appearance

☐ Clear
☐ Milky
☐ Foamy
☐ Dark Brown
☐ Oily Sheen
☐ Reddish
☒ Green
☐ Other _____

Water Odor

☒ None
☐ Sewage
☐ Chlorine
☐ Fishy
☐ Rotten Eggs
☐ Petroleum
☐ Other _____

Turbidity

☒ Clear
☐ Slight
☐ Medium
☐ Heavy

Canopy Cover

☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☒ 51-75% ☐ 76-100%

Algal Growth

☒ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Substrate Siltation Coverage: Estimate the percentage of the stream bed that is covered by silt.

☐ 0% ☐ 1-5% ☐ 6-25% ☐ 26-50% ☐ 51-75% ☐ 76-100%

Are there Submerged Aquatic Plants?

Yes No

If yes, what types? _____

List the types of riparian (stream side) vegetation present at the site. Trees / saplings

Bottom Substrate: Using the percent codes below, record the percentage of each of the materials that make up the stream bottom by writing the percent code letter in the blank next to the bottom substrate type. If the substrate is not present at the site, write letter A in the blank.

Percent cover codes: A = 0% B = 1-5% C = 6-25% D = 26-50% E = 51-75% F = 76-100%

<u>A</u> Bedrock	<u>C</u> Cobble (2.5 in – 10 in)	<u>C</u> Sand (<0.1 in)
<u>A</u> Boulder (> 10 in)	<u>C</u> Gravel (0.1 in – 2.5 in)	<u>B</u> Silt
<u>A</u> Hard Pan Clay	Other _____	

Stream Discharge Estimate

Stream Width: _____ feet
A

If you can only record two depth or velocity measurements, please calculate the average by dividing the sum by 2.

If only one measurement is taken, use the single value as the average.

Depth Measurements:

1. _____ ft
2. _____ ft
3. _____ ft

Average Depth = _____ feet
B

Velocity Calculations:

10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec
10 ft ÷ _____ seconds = _____ ft/sec

Average Velocity = _____ ft/sec
C

Discharge (width x depth x velocity) $\frac{9}{A}$ ft x $\frac{1.5}{B}$ ft x _____ ft/sec = _____ ft³/sec
C

water not moving

Land Uses

Record all visible land uses occurring upstream and on either side of the stream site. Indicate which land uses are **dominant (D)** and which **affect small areas (X)**. If a listed land use is not present, leave blank.

	Forest (W1)		Logging (W2)		Golf Course (W3)
X	Grassland and Ungrazed Field (W4)		Commercial (W6)		Scattered Residential (W7)
X	High-Density Residential/Urban (W8)		Cropland (W9) Type? (W9T) _____		Sewage Treatment (W10)
	Park (W11)		Mining (W12) Type? (W12T) _____		Sanitary Landfill (W13)
	Livestock Pasture (W14)		Construction (W15) Type? (W15T) _____		Industrial (W16)
	Other (W17) _____				

Please circle YES or NO and provide the necessary information to answer the following questions:

1. **Upstream dam?** (including beaver dams) YES NO
If yes, approximately how far upstream? _____
2. **Wastewater treatment discharge upstream?** YES NO
If yes, approximately how far upstream? _____
3. **Any pipes emptying directly into or near your study site?** YES NO
4. **Channel Alteration.** Has the stream been channelized (straightened) at your site? YES NO
If yes, what percentage of your site has been channelized? _____ %

Habitat Survey Notes (Include sediment odors, appearance and/or the presence of silt, watershed features present but not listed on this data sheet, and any other information you feel is important or interesting to mention. Attach separate sheet if needed.)

Creek was high

Engineering GIS



3/16/2018, 8:34:56 AM

- | | |
|-------------------------------|-------------------------|
| ● Addresses | — Arterial |
| — Decatur City Limits | — Residential |
| Roads (small scale) | — County Highway |
| — <all other values> | — Railroad Tracks |
| — Interstate Highway | — Macon Co. Tax Parcels |
| — State Route or U.S. Highway | |

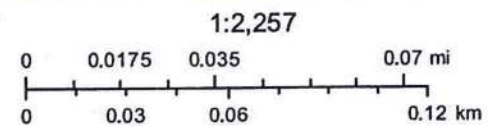


Exhibit 3

Land Disturbance Permits

Permit No.	Active	Project	Address	Site Plan	1st Inspection	2nd Inspection
23-3	Y	Belle Tire	3010 N. MLK	Y		
23-1	Y	MacArthur HS Athletic Facilities	1499 W. Grand Ave	Y		
22-10	Y	Innovafeed	3130 N. Brush College Rd	Y		
19-30	Y	Mueller Brass Foundry	2675 N Jasper St	Y	1/28/2020	12/27/21
21-8	Y	Decatur Distribution Center	3755 N Brush College Rd	Y	11/11/2021	12/27/21
22-4	Y	ADM Protein Solutions Center	1001 N Brush College Rd	Y	5/25/2022	7/12/22
21-4	Y	Woodford Homes Supportive Living	1370 E Carrie Lane	Y	7/7/2022	1/9/23
21-3	Y	Stevens Creek Bike Path - Ph 2B	Cresthaven park to Timer Lane	Y	5/3/2022	5/18/22
21-9	Y	CAT Building Expansion	3000 N 27th	Y		
21-7	Y	Airport - Snow Removal/Fire Building	910 S Airport Rd	Y	5/6/2022	12/28/22
21-5	Y	VA Soccer Field, Pavilion & Storage	3096 & 3100 S Business Rt 51	Y	6/3/2022	
22-1	Y	ADM - WWTP Digester Expansion	4666 E Faries Parkway	Y	1/23/2023	
22-3	N	Brooks Meadow Park - 3rd Add	2405 Angle Ct	Y		
22-2	Y	St. Teresa Athletic Field	2710 N Water St	Y	5/2/2022	5/18/22
22-6	Y	Rent 1 RNR	1207/1217 E Pershing Rd	Y	5/2/2022	5/18/22
22-5	Y	SPC4 & TVP Bldgs	4666 E Faries Parkway	Y	6/14/2022	
22-7	Y	ABC Supply Expansion	4155 N Commercial Crossing	Y	12/28/2022	
22-8	Y	Storagemasters	780 W. South Side Dr	Y	1/23/2023	
	Complete	Montessori Academy	4735 Cantrell St	Y	6/30/2021	7/16/21
19-10	Complete	Fire Training Facility	920 W. Grove Rd	N	8/19/2019	10/2/19
20-4	Complete	Farm Safety Training	910 W Grove Rd	N	6/26/2020	
	Complete	Bolek Building Addition	1087 W. Rotary Way	Y		
	Complete	Caseys 1996	1525 W Mound Rd	N		
	Complete	CAT Prime Product Tent	3000 N 27th St	N		
	Complete	Cresthaven Park Parking Expansion	660 Arthur Ct	N		
	Complete	Dairy Queen Drive Thru	610 E Snyder	Y		
	Complete	DMH Yard Maint Bldg	2692 N Church St	Y		
	Complete	Subway	975 W Eldorado St	N		
	Complete	YMCA Outhouse	220 W Mckinley Ave	N		
	Complete	SJ Smith Company	3890 L&A Industrial Dr	Y		