

# Mt. Zion MS4 Annual Facility Inspection Report

April 1, 2024 – March 31, 2025



Prepared by: Chastain & Associates LLC  
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# Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

## 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, 2024 To March, 2025

Permit No. ILR40 0394

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

Name: Village of Mt. Zion Mailing Address 1: 1400 Mt. Zion Parkway  
Mailing Address 2: County: Macon  
City: Mt. Zion State: IL Zip: 62549 Telephone: 217-864-5424  
Contact Person: Julie Miller Email Address: J\_Miller@mtzion.com  
(Person responsible for Annual Report)

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

Macon County

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

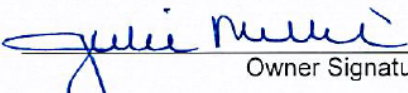
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.


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:  
Julie Miller  
Printed Name:

  
Date:  
Village Administrator  
Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
2520 WEST ILES AVENUE  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

IL 532 2585 WPC 691 Rev 4/25 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.

VILLAGE OF MT. ZION

April 1, 2024 to March 31, 2025 Annual Facilities Inspection Report (2021 NOI - Year 4)

A. CHANGES TO BMP'S

- 1. No changes to BMPs were proposed during the Reporting Period.

B. COMPLIANCE WITH PERMIT CONDITIONS

C. RESULTS OF INFORMATION COLLECTED AND ANALYZED

D. ACTIVITIES FOR NEXT REPORTING CYCLE (APRIL 1, 2025 TO MARCH 31, 2026)

PUBLIC EDUCATION AND OUTREACH

**BMP A.1 – Distributed Paper Material**

B. Compliance with Permit Conditions	The Village, as a part of the Macon County MS4 communities, distributed fliers at the Village Hall. See Exhibits A through C for the fliers available.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue to distribute fliers at Village Hall, distribute to residents at community events.

**BMP A.2 – Speaking Engagement**

B. Compliance with Permit Conditions	The Village, as a part of the Macon County MS4 communities, hosted a Stormwater Workshop in January 2025. Conference Presenters included Sarah Vogel, Horticulture Educator and certified arborist at the University of Illinois, Todd Bennett, a Biological and Agricultural engineer from the Illinois EPA, and Rabin Bhattarai, an Associate Professor of Soil and Water Resources Engineering at the University of Illinois Urbana-Champaign. The agenda is available in Exhibit E.
C. Information Collected and Analyzed	44 people attended the workshop.
D. Activities for Next Reporting Cycle	Speak at either one educational workshop or Village Board Meeting to inform public of construction site storm water management efforts. Continue support of Macon County SWCD public engagement.

**BMP A.4 – Community Event**

B. Compliance with Permit Conditions	The Village, as a part of the Macon County MS4 communities, hosted a Stormwater Workshop in January 2025. Conference Presenters included Sarah Vogel, Horticulture Educator and certified arborist at the University of Illinois, Todd Bennett, a Biological and Agricultural engineer from the Illinois EPA, and Rabin Bhattarai, an Associate Professor of Soil and Water Resources Engineering at the University of Illinois Urbana-Champaign. The agenda is available in Exhibit E.
C. Information Collected and Analyzed	44 people attended the workshop.

D. Activities for Next Reporting Cycle	Continue partnership with local counties to host an educational seminar. Continue support of MCSWCD community events.
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**BMP A.6 – Other Public Education**

B. Compliance with Permit Conditions	The Village, as part of the Macon County MS4 communities and the MCSWCD, maintained the website for storm water issues ( <a href="http://www.maconcleanwater.com">www.maconcleanwater.com</a> ).
C. Information Collected and Analyzed	No specific number of website visits was recorded.
D. Activities for Next Reporting Cycle	Continue to update and maintain the current MS4 Community website and work to increase and record website visits in conjunction with the Macon County MS4 Community.

**Annual Evaluation Statement: Public Education and Outreach**

For the reporting year, the Village met the requirements of the Public Education and Outreach section of the NOI. The annual workshop was held, the MS4 brochures remained available for distribution, including at Mt. Zion Village Hall, and the website was maintained.

**PUBLIC PARTICIPATION / INVOLVEMENT**

**BMP B.3 – Stakeholder Meeting**

B. Compliance with Permit Conditions	The Village attended local NPDES coordination meetings with other members of the Macon County MS4 community.
C. Information Collected and Analyzed	Six (6) meetings were held in the previous period.
D. Activities for Next Reporting Cycle	Continue to attend local NPDES coordination meetings.

**BMP B.4 – Public Hearing**

B. Compliance with Permit Conditions	No ordinance changes were implemented during the reporting period and therefore no public hearings were required.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue to review the Storm Water Ordinance and present changes to Village Board for approval.

**BMP B.6 – Program Involvement**

B. Compliance with Permit Conditions	The Village attended local NPDES coordination meetings with other members of the Macon County MS4 community. The Village offers recycling services to its residents. On May 4, 2024, the Village hosted a one-day curbside pick-up for large items free of charge called Sparkle and Shine. The flyer for this event is available in Exhibit D.
C. Information Collected and Analyzed	Six (6) meetings were held in the previous period. The number of participants/visitors at the recycling events could not be confirmed.
D. Activities for Next Reporting Cycle	Continue to attend local NPDES coordination meetings & organize recycling events.



## **Annual Evaluation Statement: Public Participation / Involvement**

For the reporting year, the Village met the requirements of the Public Participation and Involvement section of the NOI. The meetings every other month of the MS4 workgroup were held and a recycling program was available.

## **ILLICIT DISCHARGE DETECTION AND ELIMINATION**

### **BMP C.1 – Sewer Map Preparation**

B. Compliance with Permit Conditions	The Village maintains a GIS database of Village storm sewers and outfalls. The map is continually updated to reflect new development within the Village limits. Stormwater infrastructure is also being added to the Village GIS database as they are constructed.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue revisions to the storm sewer map as necessary.

### **BMP C.6 – Program Evaluation and Assessment**

B. Compliance with Permit Conditions	The Village includes language in the Storm Water Ordinance that prohibits non-stormwater discharges to the storm sewer system. Citizen complaints regarding non-stormwater discharges are received at Village Hall and Public Works. Complaints are reviewed and followed up as they are received during the year.
C. Information Collected and Analyzed	No citizen complaints regarding non-stormwater discharges were received.
D. Activities for Next Reporting Cycle	Continue system for receiving citizen complaints and follow up on non-stormwater/illicit discharges.

### **BMP C.7 – Visual Dry Weather Screening**

B. Compliance with Permit Conditions	<p>The Village includes language in the Storm Water Ordinance that prohibits non-storm water discharges to the storm sewer system. A screening, inspection and follow-up program to identify non-storm water discharges and illicit discharges. 10%-15% of mapped outfalls were selected for dry weather screening, based on potential for illicit discharges. These outfalls are inspected during dry weather up to three times per year. The Village inspects 25% of the municipality's detention basins per year. The most common maintenance issues will be summarized. Knowing common issues may direct future training/education. Inspection reports are maintained and encountered discharges are investigated and eliminated. See Exhibit F for reports on the visual dry weather monitoring that was performed.</p> <p>The Village also hired TeleScan to do their annual inspection, vac, and televising services for a large portion of their storm sewer catch basins.</p>
C. Information Collected and Analyzed	Thirteen (13) stormwater retention/detention facilities were

	<p>inspected during the reporting year. Minor maintenance items were noted and corrected; all facilities were compliant at the time of inspection.</p> <p>No exact number of catch basins was recorded, but TeleScan estimated they inspected and televised about 33% of the Village's catch basins.</p>
D. Activities for Next Reporting Cycle	Continue to monitor storm sewer outfalls up to three times per year. Continue annual inspection of 25% of stormwater detention/retention facilities.

**Annual Evaluation Statement: Illicit Discharge Detection and Elimination**

For the reporting year, the Village met the requirements of the Illicit Discharge Detection and Elimination section of the NOI. The storm sewer map was maintained and expanded, storm sewer catch basins were televised and inspected, and visual dry weather monitoring was performed by Village staff during the year.

**CONSTRUCTION SITE RUNOFF CONTROL**

**BMP D.1 – Regulatory Control Program**

B. Compliance with Permit Conditions	The Village's Storm Water Management ordinance was enforced by providing site plan and subdivision plan reviews. The Ordinance sets forth the requirements for the issuance of Land Disturbance Permits, requirements for Construction Site Storm Water discharges, preparation of Storm Water Pollution Prevention Plans, and associated subjects.
C. Information Collected and Analyzed	Thirteen (13) land disturbance permits were issued through the Village. See Exhibit H.
D. Activities for Next Reporting Cycle	Continued site plan reviews for compliance with local erosion and sediment control rules. Continue to evaluate the need for Stormwater Ordinance Revisions and recommend revisions.

**2. BMP D.2 – Erosion and Sediment Control BMPs**

B. Compliance with Permit Conditions	The Village provided reviews of the erosion control plans and SWPPPs within the Village limits. The Village provided technical review of erosion control plans and associated SWPPPs and provided comments to the developers.
C. Information Collected and Analyzed	Two (2) site plans were reviewed during the reporting period.
D. Activities for Next Reporting Cycle	Continue site plan reviews by the Village for compliance with local erosion and sediment control rules.

**BMP D.4 – Site Plan Review Procedures**

B. Compliance with Permit Conditions	The Village provided reviews of the erosion control plans and SWPPPs within the Village limits. The Village provided technical review of the erosion control plans and associated SWPPPs and provided comments to the developer.
C. Information Collected and Analyzed	Two (2) site plans were reviewed during the reporting period.
D. Activities for Next Reporting Cycle	Continue site plan reviews by the Village for compliance with local erosion and sediment control rules.



**BMP D.5 – Public Information Handling Procedures**

B. Compliance with Permit Conditions	The phone number for the Village Hall is available on the website for the general public to report storm water issues on active construction sites. Complaints are forwarded to Public Works, investigated and managed appropriately.
C. Information Collected and Analyzed	No citizen complaints regarding non-stormwater discharges were received.
D. Activities for Next Reporting Cycle	Continue to track and report complaints.

**BMP D.6 – Site Inspection/Enforcement Procedures**

B. Compliance with Permit Conditions	Village staff was responsible for enforcement of the storm water requirements during site construction.
C. Information Collected and Analyzed	Thirteen (13) land disturbance permits were issued through the Village. Thirteen (13) site inspections were performed by Village staff.
D. Activities for Next Reporting Cycle	Continue to conduct site inspections for developments subject to ILR10 and perform follow-ups, as necessary.

**Annual Evaluation Statement: Construction Site Runoff Control**

For the reporting year, the Village met the requirements of the Construction Site Runoff Control section of the NOI. The pre-construction reviews and support was provided, and site inspections during construction were performed by Village staff during the year.

**POST-CONSTRUCTION RUNOFF CONTROL****BMP E.2 – Regulatory Control Program**

B. Compliance with Permit Conditions	The Village’s Storm Water Management ordinance was enforced pertaining to the design, installation and maintenance of post-construction water quality BMPs in accordance with the most current Illinois Urban Manual Standards.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue to enforce storm water management technical guidelines as set forth in the Illinois Urban Manual. The Village will evaluate the need for Stormwater Ordinance Revisions and recommend revisions.

**BMP E.4 – Pre-Construction Review of BMP Designs**

B. Compliance with Permit Conditions	The Village provides commercial site plan reviews and subdivision plan reviews using a consultant for compliance with local erosion and sediment control requirements.
C. Information Collected and Analyzed	Two (2) site plans were reviewed during the reporting period.
D. Activities for Next Reporting Cycle	Continue site plan reviews by the Village for compliance with local erosion and sediment control rules and continue to enforce storm water regulations.

**BMP E.5 – Site Inspections during Construction**

B. Compliance with Permit Conditions	The Village staff provided onsite inspections during active construction and was responsible for follow-up enforcement of the storm water requirements.
C. Information Collected and Analyzed	Thirteen (13) site inspections were performed by Village staff.
D. Activities for Next Reporting Cycle	Continue site inspections by Village staff of construction sites.

**BMP E.6 – Post-Construction Inspections**

B. Compliance with Permit Conditions	Village staff are responsible for post-construction monitoring of stormwater outfall structures and retention/detention facilities.
C. Information Collected and Analyzed	Thirteen (13) stormwater retention/detention facilities were inspected during the reporting year. Minor maintenance items were noted and corrected; all facilities were compliant at the time of inspection.
D. Activities for Next Reporting Cycle	Continue evaluation of existing operation and maintenance policies and amend as necessary.

**Annual Evaluation Statement**

For the reporting year, the Village met the requirements of the Post-Construction Runoff Control section of the NOI. The pre-construction reviews were provided, site inspections during construction were performed, and post-construction inspections were completed by Village staff during the year.

**POLLUTION PREVENTION / GOOD HOUSEKEEPING**

**BMP F.1 – Employee Training Program**

B. Compliance with Permit Conditions	The Village organized Stormwater Training on February 5, 2025. A copy of the sign-in sheet is available in Exhibit I. The links to the videos used for training is also available in Exhibit J.
C. Information Collected and Analyzed	Nine (9) Village Staff attended the training.
D. Activities for Next Reporting Cycle	Continue employee training program.

**BMP F.3 – Municipal Operations Storm Water Control**

B. Compliance with Permit Conditions	The Village continued the practice of washing their vehicles in closed facilities that drain to sanitary sewers.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue to enforce the use of the designated wash facilities.

**BMP F.6 – Other Municipal Operations Control**

B. Compliance with Permit Conditions	The Village continued to use salt application devices to regulate salt applied to roads for snow removal. The Village continued to store salt in a covered facility.
C. Information Collected and Analyzed	N/A
D. Activities for Next Reporting Cycle	Continue salt storage and application reduction measures, street sweepings, and catch basin/inlet cleaning.



**Annual Evaluation Statement: Pollution Prevention / Good Housekeeping (Section F)**

For the reporting year, the Village met the requirements of the Pollution Prevention and Good House Keeping section of the NOI. Employee training continued as well as various municipal operations to control pollution were enacted by Village staff during the year.

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**E. PERMIT OBLIGATIONS PERFORMED BY ANOTHER ENTITY**

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The Village of Mt. Zion along with Macon County, the Village of Forsyth, and the City of Decatur has contracted with the Macon County Soil and Water Conservation District (MCSWCD) for assistance with educational and public outreach portions of the permit.

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**F. CONSTRUCTION PROJECTS (BY VILLAGE) DURING REPORTING PERIOD**

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The following projects in the Village of Mt. Zion disturbed one or more acres for the reporting year:

- None

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**G. Monitoring Program**

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The Village completes a visual observation at least once annually at two locations on Finley Creek, one upstream where the creek enters the Village and one where the creek exits the Village. See Exhibit K for the reports. A summary of the monitoring is as follows:

Location #1

Year	Worst Weather in past 48 hours	Temperature Air/Water	Water Appearance	Turbidity	Velocity	Discharge
5/28/2025	Rain (Steady)	60/62 °F	Milky Brown/Gray	Heavy	1.2 ft/sec	44.7 ft <sup>3</sup> /sec

Location #2

Year	Worst Weather in past 48 hours	Temperature Air/Water	Water Appearance	Turbidity	Velocity	Discharge
5/28/2025	Rain (Steady)	63/62 °F	Milky Brown/Gray	Heavy	0.8 ft/sec	58.0 ft <sup>3</sup> /sec

## 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 trenching 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-to-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”*



*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

Mary Cave 217-424-2724



Macon County

Jennifer Hoffman 217-425-6583



Village of Forsyth

Larry Coloni 217-433-9597



Village of Mt. Zion

Grant Corum 217-864-4811

**EROSION & SEDIMENT CONTROL TIPS FOR INDIVIDUAL LOT CONSTRUCTION**

[www.maconcleanwater.org](http://www.maconcleanwater.org)



A collaborative effort of the Macon County MS4 Communities

**EXHIBIT A**



## 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

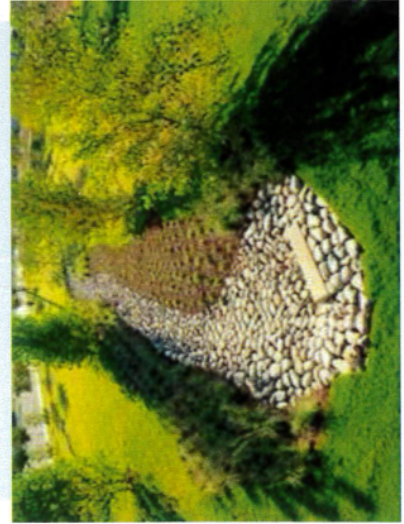
A green roof is a roof that is partially or completely covered with vegetation and waterproofing membrane. A green roof's purpose is to absorb rainwater, provide insulation, create habitat for wildlife, and help lower urban air temperatures.





## 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?**

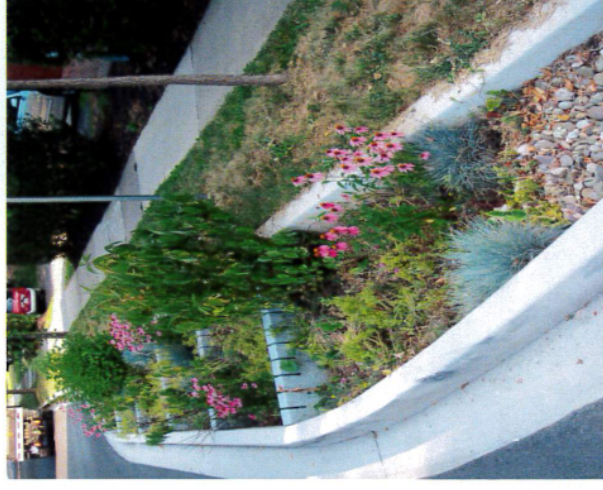
City of Decatur  
217-424-2724

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*

## 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](http://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.





## 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](http://www.maconcleanwater.com)

### Contact:

**City of Decatur 424-2747**

**Macon County 424-1466**

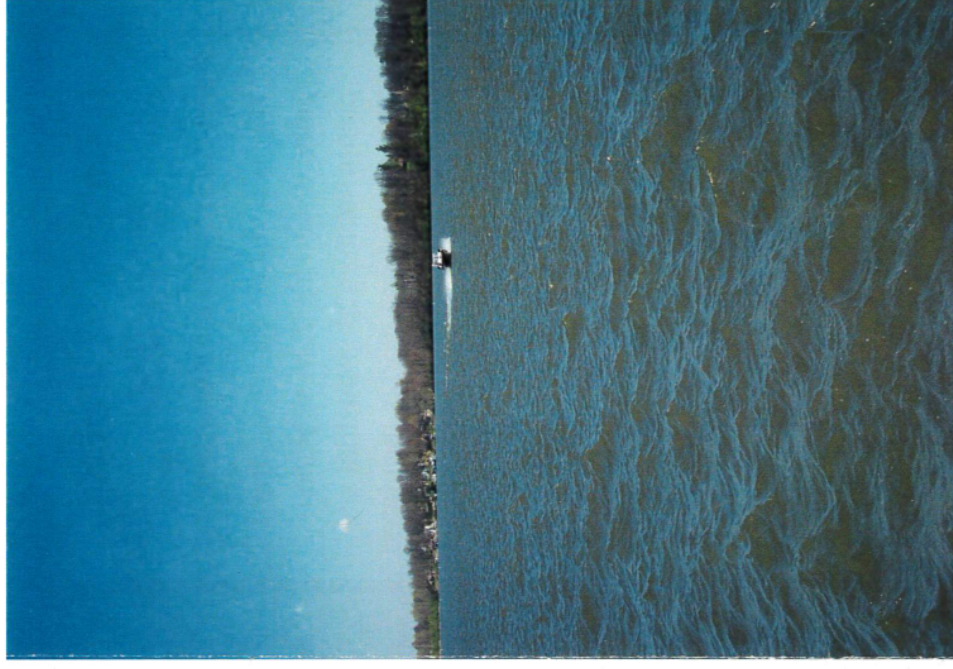
**Village of Forsyth 877-9445**

**Village of Mt. Zion 864-4811**



**WHEN IT  
RAINS.....  
IT DRAINS**

**BE THE SOLUTION TO  
STORMWATER POLLUTION**





# SATURDAY, MAY 4, 2024

# SPARKLE & Shine

On Saturday, May 4, 2024, the Village of Mt. Zion, in partnership with Waste Management, will host a one-day curbside pick-up for large items.

Just place **ACCEPTABLE** items on the curb by 6:00 am on Saturday, May 4, and they will be picked-up free of charge.

THE CLEANUP IS FOR HOME GENERATED ITEMS (FURNITURE, BEDDING, CLOTHING, ETC.)  
MATERIAL MUST BE READY FOR COLLECTION BY 6:00 AM

## UNACCEPTED ITEMS:

- YARD WASTE
- LIQUID WASTE
- PAINT
- MOTOR OIL
- THINNER
- HAZARDOUS WASTES
- GASOLINE
- CHEMICALS
- CHEMICAL WASTES
- INSECTICIDES
- PESTICIDES
- ELECTRONICS
- TVS OR ELECTRONICS
- COMPUTERS
- TIRES
- BATTERIES
- LARGE AUTO PARTS
- CONSTRUCTION/DEMOLITION DEBRIS & CONCRETE
- APPLIANCES WITH FREON
- HOUSEHOLD GARBAGE
- FENCING OR WIRE

THERE WILL NOT BE A DROP-OFF LOCATION. FOR MORE DETAILS ON UNACCEPTABLE ITEMS, PLEASE CALL VILLAGE HALL AT (217) 864-5424 OR EMAIL [T\\_WILSON@MTZION.COM](mailto:T_WILSON@MTZION.COM).



For items not accepted, visit  
[www.maconggreen.com](http://www.maconggreen.com) for a list of disposal options.



# STORMWATER AND EROSION CONTROL WORKSHOP

## Agenda

**8:00**

WELCOME & BREAKFAST

**8:15**

SARAH VOGEL - STORM WATER AND RAIN GARDENS

*Learn how green infrastructure can address water quality and quantity issues in your community. Discover the benefits of rain gardens and other green solutions in reducing flooding and improving local ecosystems.*

**9:00**

BREAK

**9:15**

TODD BENNETT - ILLINOIS EPA MS4 PROGRAM UPDATE AND GUIDANCE

**10:15**

RABIN BHATTARAI - EVALUATION OF VARIOUS EROSION AND SEDIMENT CONTROL PRODUCTS

*Dr. Bhattarai will share the findings from his lab's research projects where they evaluated the performance of various erosion and sediment control products used in construction sites. These projects were funded by IDOT.*

## Our Speakers

### SARAH VOGEL

*Sarah Vogel is a University of Illinois Extension Horticulture Educator serving DeWitt, Macon, and Piatt Counties. She is a certified arborist who offers garden and tree-related programming both locally and across the state. Sarah's passion is connecting with underserved populations in the community to foster an appreciation for nature through education.*

### TODD BENNETT

*Todd Bennet has a BS in Biological & Agricultural Engineering from Kansas State University, a MS in Biological & Agricultural Engineering from North Carolina State University. He has 19 years of field inspector and permit engineer experience in North Carolina and Illinois and 4 years in current position as Illinois EPA, Division of Water Pollution Control, Field Operations Section Manager*

### RABIN BHATTARAI

*Rabin Bhattarai, Ph.D., is an Associate Professor of Soil and Water Resources Engineering in the Department of Agricultural and Biological Engineering at UIUC. He received Ph.D. in Agricultural and Biological Engineering from UIUC in 2011, MS in Water Engineering and Management from Asian Institute of Technology (Thailand) in 2005, and BS in Civil Engineering from Tribhuvan University (Nepal) in 2002. The overall goal of his research group is to develop sustainable engineering solutions to improve water quality and crop production. Along with conducting experimental studies, his group also uses computer simulation models to predict water quality and crop production at various scales. The past and ongoing research projects in his research group are supported by multiple agencies, including the United States Department of Agriculture, Illinois Nutrient Research and Education Council, and Illinois Department of Transportation.*



Basin Number	Location	Use Type	Basin Type	Contact	Date Inspected	Action Needed	Inspection Notes	Reinspection Date
A-1	4220 South Lake Court	Residential	Wet	HOA/Mosser				
A-2	4120 Meadow Park Drive	Residential	Wet	HOA/Mosser				
A-3	1110 Meadow Court	Residential	Wet	HOA/Mosser				
A-4	2580 Lake Reunion Pkwy.	Residential	Wet	HOA/Mosser	3/3/2025	NONE		
A-5	600 Southbrooke Drive	Residential	Wet	Unknown				
A-6	500 Southbrooke Drive	Residential	Wet	Unknown				
A-7	400 Southbrooke Drive	Residential	Wet	Unknown				
A-8	2235 Buckhead Lane	Residential	Wet	HOA				
A-9	1605 Hunter's Pointe Court	Residential	Dry	Village of Mt. Zion				
A-10	1635 Baltimore Ave.	Commercial	Dry	The Glenwood				
A-11	205 Covington Ave.	Residential	Dry	HOA/S A Lewis	3/3/2025	NONE		
A-12	5620 Traugbber Road	Residential	Wet	Unknown	3/3/2025	NONE		
A-13	1340 Silver Leaf Court	Residential	Wet	HOA/S A Lewis	3/3/2025	NONE		
A-14	1480 Silver Leaf Ave.	Residential	Wet	Steve Lewis	3/3/2025	NONE		
A-15	3659 Sulphur Springs Road	Residential	Wet	David Sheets	3/3/2025	NONE		
A-16	3795 Sulphur Springs Road	Residential	Wet	David Clem				

<u>Basin Number</u>	<u>Location</u>	<u>Use Type</u>	<u>Basin Type</u>	<u>Contact</u>	<u>Date Inspected</u>	<u>Action Needed</u>	<u>Inspection Notes</u>	<u>Reinspection Date</u>
B-1	14 Buttonridge Place	Residential	Wet	HOA/S A Lewis				
B-2	685 Country Court	Residential	Dry	HOA				
B-3	1320 West Main Street	School	Dry	Mt. Zion School District	3/3/2025	WEEDS + TREES	NEEDS CUT DOWN, CLEANED	
B-4	885 West Main Street	Residential	Wet	Britt Brown	3/3/2025	DAM REPAIRED		
B-5	190 Carrington Ave.	Residential	Wet	HOA/S A Lewis				
B-6	665 Elm Street	Residential	Wet	Linnea Harris	3/3/2025	NONE		



<u>Basin Number</u>	<u>Location</u>	<u>Use Type</u>	<u>Basin Type</u>	<u>Contact</u>	<u>Date Inspected</u>	<u>Action Needed</u>	<u>Inspection Notes</u>	<u>Reinspection Date</u>
C-1	400 N. Whitetail Circle	Commercial	Dry	Holy Spirit Church				
C-2	1015 N. State Highway 121	Commercial	Dry	Creek's Florist				
C-3	505 Broadway Street	Commercial	Dry	American Family Insurance				
C-4	505 Sunset Court	Commercial	Dry	Hagerman & Company				
C-5	330 Broadway Street	Commercial	Dry	Storage Masters Mt. Zion				
C-6	115 West Main Street	Library	Dry	Mt. Zion Public Library				
C-7	105 West Main Street	Commercial	Dry	Calvert & Wikoff	• 3/3/2025	NONE		
C-8	310 South Henderson	School	Dry	Mt. Zion School District				
C-9	455 Elm Street	School	Dry	Mt. Zion School District				
C-10	405 South Henderson Street	Residential	Wet	Jim Derby				
C-11	323 Fletcher Park Blvd.	Municipal	Wet	Village of Mt. Zion	3/3/2025	NONE		

Basin Number	Location	Use Type	Basin Type	Contact	Date Inspected	Action Needed	Inspection Notes	Reinspection Date
D-1	1 Ashland Ave.	Commercial	Dry	Jay McAtee	1-3/3/2025	INLET, OUTLET BASIN Needs CLEANED		
D-2	210 Casa Park Drive	Commercial	Dry	Todd Cole				
D-3	1545 August Hill Court	Residential	Wet	HOA/S A Lewis				
D-4	1379 Community Drive	Residential	Dry	HOA/S A Lewis				
D-5	612 Spittler Park Plaza Drive	Residential	Dry	Unknown				
D-6	830 N. State Highway 121	Commercial	Dry	Majestic Bingo Hall				
D-7	620 N. State Highway 121	Residential	Dry	Unknown				
D-8	600 N. State Highway 121	Residential	Dry	Unknown				
D-9	775 Pearl Court	Residential	Wet	HOA/S A Lewis	1-3/3/2025	CAT tails Removed	CANT see INLET & outlet	
D-10	620 Linda Court	Residential	Dry	SMA Properties				
D-11	621 Linda Court	Residential	Dry	SMA Properties				
D-12	105 Green Valley Drive	Commercial	Dry	JCG Midwest				
D-13	105 Green Valley Drive	Commercial	Dry	JCG Midwest				



## VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 11/7/2024 Permit No.: 2024-17

Permit Address: 1840 Buckhead Lane Zoning District: R-2

Subdivision: Buckhead Estates Lot No.: 3 Sq. Ft.: 4821

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$675,000.00 Permit Fee: \$100.00

Contractor: Schrock Builders

Contractor Address: 358 N. Country Road 200E, Arthur, IL 61911 Phone: 217/246-7124

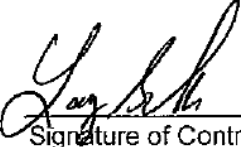
Owner: Tracy & Bonnie Virden

Owner Address: 4230 Southlake Court, Decatur, IL 62521 Phone: 217/620-0053

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

This permit expires 180 days after issuance if not substantial work has commenced or 18 months from the date of the construction commencement.

Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

  
\_\_\_\_\_  
Signature of Contractor or the Authorized  
Representative Making Application

  
\_\_\_\_\_  
Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 10/4/2024 Permit No.: 2024-16

Permit Address: 790 Emerald Avenue Zoning District: R-3

Subdivision: Parkside East Lot No.: 45 Sq. Ft.: 1875

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$260,000.00 Permit Fee: \$100.00

Contractor: Brettick Day Construction

Contractor Address: 261 Southmoreland Place, Decatur, IL 62521 Phone: 217/521-2285

Owner: Steve Lewis

Owner Address: 1355 N. State Highway 121, Mt. Zion, IL 62549 Phone: 217/519-5056

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

This permit expires 180 days after issuance if not substantial work has commenced or 18 months from the date of the construction commencement.

Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

Bret Day  
Signature of Contractor or the Authorized  
Representative Making Application

D Reynolds  
Signature of Permit Clerk





# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 8/12/2024 Permit No.: 2024-15

Permit Address: 1350 Shea Court Zoning District: R-5

Subdivision: Shea West Lot No.: 13 Sq. Ft.: 1515

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$254,439.00 Permit Fee: \$100.00

Contractor: R. Glosser Homes LLC

Contractor Address: 204 Spitler Park Drive, Mt. Zion, IL 62549 Phone: 217/972-6568

Owner: Nancy Mains

Owner Address: 3055 S. Long Creek Road, Decatur, IL 62521 Phone: 217/433-0619

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

Signature of Contractor or the Authorized  
Representative Making Application

Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 8/2/2024 Permit No.: 2024-14

Permit Address: 1625 Ridgewood Court Zoning District: R-2

Subdivision: Wildwood East Lot No.: 0 Sq. Ft.: 1547

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$301,907.07 Permit Fee: \$100.00

Contractor: Riley Homes Inc.

Contractor Address: P.O. Box 312, Urbana, IL 61803 Phone: 217/493-7418


Owner: Ryan Eggers

Owner Address: 1625 Ridgewood Court, Mt. Zion, IL 62549 Phone: 217/413-8643

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

  
\_\_\_\_\_  
Signature of Contractor or the Authorized  
Representative Making Application

  
\_\_\_\_\_  
Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 8/2/2024 Permit No.: 2024-13

Permit Address: 915, 919, 923, 927 N. Lima Street Zoning District: R-5

Subdivision: Parkside Garden Addition Lot No.: 7 Sq. Ft.: 4064

Permit To: 4-Unit Apartment Building Property Type: Residential

No. of Dwelling Units: 4

Est. Cost: \$408,267.00 Permit Fee: \$100.00

Contractor: R. Glosser Homes LLC

Contractor Address: 204 Spidler Park Drive, Mt. Zion, IL 62549 Phone: 217/972-6568

Owner: Eric Hull

Owner Address: 1310 N. State Highway 121, Mt. Zion, IL 62549 Phone: 217/864-3011

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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\_\_\_\_\_  
Signature of Contractor or the Authorized Representative Making Application

\_\_\_\_\_  
Signature of Permit Clerk





# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 7/15/2024 Permit No.: 2024-12

Permit Address: 1675, 1677, 1679, 1681 Baltimore Avenue Zoning District: R-2

Subdivision: Baltimore Place Lot No.: 2 Sq. Ft.: 6800

Permit To: 4-Unit Townhomes Property Type: Residential

No. of Dwelling Units: 4

Est. Cost: \$736,100.00 Permit Fee: \$100.00

Contractor: KLH Homes Inc.

Contractor Address: 8720 Damery Road, Blue Mound, IL 62513 Phone: 217/972-5873

Owner: KRL Properties LLC

Owner Address: 8720 Damery Road, Blue Mound, IL 62513 Phone: 217/972-5873

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

Signature of Contractor or the Authorized Representative Making Application

Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 7/15/2024 Permit No.: 2024-11

Permit Address: 1655, 1657, 1659, 1661 Baltimore Avenue Zoning District: R-2

Subdivision: Baltimore Place Lot No.: 1 Sq. Ft.: 6800

Permit To: 4-Unit Townhomes Property Type: Residential

No. of Dwelling Units: 4

Est. Cost: \$736,100.00 Permit Fee: \$100.00

Contractor: KLH Homes Inc.

Contractor Address: 8720 Damery Road, Blue Mound, IL 62513 Phone: 217/972-5873

Owner: KRL Properties LLC

Owner Address: 8720 Damery Road, Blue Mound, IL 62513 Phone: 217/972-5873

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Signature of Contractor or the Authorized Representative Making Application

Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 5/21/2024 Permit No.: 2024-10

Permit Address: 1320 Shea Court Zoning District: R-5

Subdivision: Shea West Lot No.: 16 Sq. Ft.: 1515

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$254,439.00 Permit Fee: \$100.00

Contractor: R. Glosser Homes LLC

Contractor Address: 204 Spittler Park Drive, Mt. Zion, IL 62549 Phone: 217/972-6568

Owner: Frankie Travis

Owner Address: 691 Legacy Heritage Lane #105, Wake Forest, NC 27587 Phone: 919/830-3338

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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Signature of Contractor or the Authorized  
Representative Making Application

Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 5/6/2024 Permit No.: 2024-9

Permit Address: 1910 Buckhead Court Zoning District: R-2

Subdivision: Buckhead Estates Lot No.: 27 Sq. Ft.: 2762

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$643,103.00 Permit Fee: \$100.00

Contractor: R. Glosser Homes LLC

Contractor Address: 204 Spittler Park Drive, Mt. Zion, IL 62549 Phone: 217/972-6568

Owner: Rich & Ashley Kraczynski

Owner Address: 455 Shoreline Drive, Decatur, IL 62521 Phone: 217/262-9010

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Applicant certifies that all information given is correct and that all pertinent building ordinances will be complied with in performing the work for which this permit is issued.

Signature of Contractor or the Authorized Representative Making Application

Signature of Permit Clerk





# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT


1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 4/3/2024 Permit No.: 2024-8  
Permit Address: 1480 & 1486 Kays Court Zoning District: R-5  
Subdivision: Baltimore Acres 2nd Addition Lot No.: 71 Sq. Ft.: 1880  
Permit To: Duplex Property Type: Residential  
No. of Dwelling Units: 2  
Est. Cost: \$177,516.00 Permit Fee: \$100.00  
Contractor: Christian Helmuth  
Contractor Address: 2074 Jonathan Creek Road, Arthur, IL 61911 Phone: 217/543-3685  
Owner: Kee Structured Investments, LLC  
Owner Address: 5742 Lakelaine Drive, Macon, IL 62544 Phone: 217/412-2676

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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\_\_\_\_\_  
Signature of Contractor or the Authorized  
Representative Making Application

  
\_\_\_\_\_  
Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 4/3/2024 Permit No.: 2024-7

Permit Address: 1472 & 1476 Kays Court Zoning District: R-5

Subdivision: Baltimore Acres 2nd Addition Lot No.: 71 Sq. Ft.: 1880

Permit To: Duplex Property Type: Residential

No. of Dwelling Units: 2

Est. Cost: \$177,516.00 Permit Fee: \$100.00

Contractor: Christian Helmuth

Contractor Address: 2074 Jonathan Creek Road, Arthur, IL 61911 Phone: 217/543-3685

Owner: Kee Structured Investments, LLC

Owner Address: 5742 Lakelaine Drive, Macon, IL 62544 Phone: 217/412-2676

Operators are authorized to discharge storm water from construction site on the date this permit is issued or when allowed to by the IEPA Notice of Intent, whichever is later.

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J. Kee  
Signature of Contractor or the Authorized Representative Making Application

Reynolds  
Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 4/3/2024 Permit No.: 2024-6

Permit Address: 1464 & 1468 Kays Court Zoning District: R-5

Subdivision: Baltimore Acres 2nd Addition Lot No.: 71 Sq. Ft.: 1880

Permit To: Duplex Property Type: Residential

No. of Dwelling Units: 2

Est. Cost: \$177,516.00 Permit Fee: \$100.00

Contractor: Christian Helmuth

Contractor Address: 2074 Jonathan Creek Road, Arthur, IL 61911 Phone: 217/543-3685

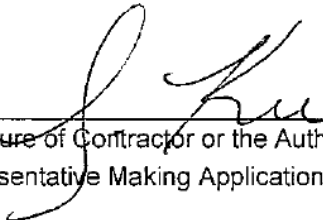
Owner: Kee Structured Investments, LLC

Owner Address: 5742 Lakelaine Drive, Macon, IL 62544 Phone: 217/412-2676

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\_\_\_\_\_  
Signature of Contractor or the Authorized  
Representative Making Application

  
\_\_\_\_\_  
Signature of Permit Clerk



# VILLAGE OF MT. ZION LAND DISTURBANCE PERMIT

1400 Mt. Zion Parkway  
Mt. Zion, IL 62549  
Phone: 217.864.5424  
Fax: 217.864.5935

Date: 4/2/2024 Permit No.: 2024-5

Permit Address: 4510 Britton Lane Zoning District: VA-1

Subdivision: Antler Creek Estates Lot No.: 1 Sq. Ft.: 2230

Permit To: Dwelling Unit Property Type: Residential

No. of Dwelling Units: 1

Est. Cost: \$401,500.00 Permit Fee: \$100.00

Contractor: Freeland Excavating

Contractor Address: 515 Elm Street, Mt. Zion, IL 62549 Phone: 217/972-4063

Owner: Andy & Alyssa Freeland

Owner Address: 515 Elm Street, Mt. Zion, IL 62549 Phone: 217/972-4063

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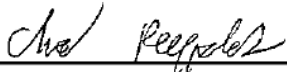
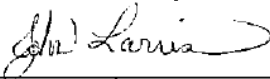
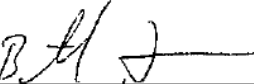
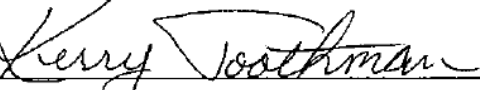

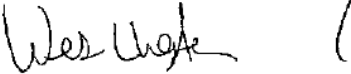


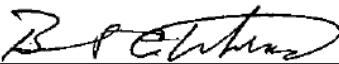
Signature of Contractor or the Authorized Representative Making Application

Signature of Permit Clerk



Village of Mt. Zion Stormwater Training

2/5/2025

Employee Name (Print)	Employee Signature
Chad Reynolds	
John Larrison	
Bill Hutton	
Kerry Toothman	
Brandon Gurnsey	
Wes Luster	
Jeff Anderson	
Brennan Higer	
Brent White	

Links to Videos for 24-25 Training

<https://www.youtube.com/watch?v=TQXOK0b5MZc&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=1&pp=gAQBiAQB>

[https://www.youtube.com/watch?v=rnTg\\_Jljz98&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=2&pp=gAQBiAQB](https://www.youtube.com/watch?v=rnTg_Jljz98&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=2&pp=gAQBiAQB)

<https://www.youtube.com/watch?v=dVGrLaPxZ7Y&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=3&pp=gAQBiAQB>

<https://www.youtube.com/watch?v=rNhhI9RcFxQ&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=4&pp=gAQBiAQB>

<https://www.youtube.com/watch?v=kWqgQb6pVr8&list=PLAGDWPV7qzbkAEFaPWavOxlrW7t0Or68k&index=5&pp=gAQBiAQB>



# Outfall Monitoring Sheet

Site ID #:	R0510301
Stream:	Finley Creek
Date:	5/28/25

Name(s) of Inspector(s): Luke Kirby & Mark Summers

Start Time: 10 : 00  am pm      End Time: 10 : 45  am pm

<b>Present Weather</b> <input type="checkbox"/> Clear/Sunny <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Showers (Intermittent) <input type="checkbox"/> Rainy (Steady) <input type="checkbox"/> Stormy (Heavy)	<b>Worst Weather in past 48 hours</b> <input type="checkbox"/> Clear/Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Showers (Intermittent) <input checked="" type="checkbox"/> Rain (Steady) <input type="checkbox"/> Storm (Heavy)	<b>Temperature</b> Air <u>60</u> <input checked="" type="radio"/> °F °C Water <u>62</u> <input checked="" type="radio"/> °F °C
<b>Water Appearance</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Milky <input type="checkbox"/> Foamy <input type="checkbox"/> Dark Brown <input type="checkbox"/> Oily Sheen <input type="checkbox"/> Reddish <input type="checkbox"/> Green <input checked="" type="checkbox"/> Other <u>Gray</u>	<b>Water Odor</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Sewage <input type="checkbox"/> Chlorine <input type="checkbox"/> Fishy <input type="checkbox"/> Rotten Eggs <input type="checkbox"/> Petroleum <input type="checkbox"/> Other _____	<b>Turbidity</b> <input type="checkbox"/> Clear <input type="checkbox"/> Slight <input type="checkbox"/> Medium <input checked="" type="checkbox"/> 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.      NOT VISIBLE  
 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, Grasses

**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%

<input type="checkbox"/> Bedrock	<input type="checkbox"/> Cobble (2.5 in – 10 in)	<input type="checkbox"/> Sand (<0.1 in)
<input type="checkbox"/> Boulder (> 10 in)	<input checked="" type="checkbox"/> D Gravel (0.1 in – 2.5 in)	<input type="checkbox"/> Silt
<input checked="" type="checkbox"/> E Hard Pan Clay	<input type="checkbox"/> Other _____	

### Stream Discharge Estimate

Stream Width:  $\frac{28}{A}$  feet

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.  $\frac{1.5}{\quad}$  ft
2.  $\frac{1.75}{\quad}$  ft
3.  $\frac{0.75}{\quad}$  ft

Average Depth =  $\frac{1.33}{B}$  feet

### Velocity Calculations:

12 ft ÷ seconds = 1.1 ft/sec

12 ft ÷ seconds = 1.0 ft/sec

12 ft ÷ seconds = 1.5 ft/sec

Average Velocity =  $\frac{1.2}{C}$  ft/sec

Discharge (width x depth x velocity)  $\frac{28}{A}$  ft x  $\frac{1.33}{B}$  ft x  $\frac{1.2}{C}$  ft/sec =  $44.7$  ft<sup>3</sup>/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.

D	Forest (W1)		Logging (W2)		Golf Course (W3)
	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? 200 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? \_\_\_\_\_ %

**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.)







# Outfall Monitoring Sheet

Site ID #: <u>R0510301</u>
Stream: <u>Finley Creek</u>
Date: <u>5/28/25</u>

Name(s) of Inspector(s): Luke Kirby & Mark Summers

Start Time: 10 : 50  am pm      End Time: 11 : 15  am pm

<p><b>Present Weather</b></p> <p><input type="checkbox"/> Clear/Sunny</p> <p><input checked="" type="checkbox"/> Overcast</p> <p><input type="checkbox"/> Showers (Intermittent)</p> <p><input type="checkbox"/> Rainy (Steady)</p> <p><input type="checkbox"/> Stormy (Heavy)</p>	<p><b>Worst Weather in past 48 hours</b></p> <p><input type="checkbox"/> Clear/Sunny</p> <p><input type="checkbox"/> Overcast</p> <p><input type="checkbox"/> Showers (Intermittent)</p> <p><input checked="" type="checkbox"/> Rain (Steady)</p> <p><input type="checkbox"/> Storm (Heavy)</p>	<p><b>Temperature</b></p> <p>Air <u>63</u> <input checked="" type="radio"/> °F °C</p> <p>Water <u>62</u> <input checked="" type="radio"/> °F °C</p>
<p><b>Water Appearance</b></p> <p><input type="checkbox"/> Clear</p> <p><input checked="" type="checkbox"/> Milky</p> <p><input type="checkbox"/> Foamy</p> <p><input type="checkbox"/> Dark Brown</p> <p><input type="checkbox"/> Oily Sheen</p> <p><input type="checkbox"/> Reddish</p> <p><input type="checkbox"/> Green</p> <p><input checked="" type="checkbox"/> Other <u>Gray</u></p>	<p><b>Water Odor</b></p> <p><input checked="" type="checkbox"/> None</p> <p><input type="checkbox"/> Sewage</p> <p><input type="checkbox"/> Chlorine</p> <p><input type="checkbox"/> Fishy</p> <p><input type="checkbox"/> Rotten Eggs</p> <p><input type="checkbox"/> Petroleum</p> <p><input type="checkbox"/> Other _____</p>	<p><b>Turbidity</b></p> <p><input type="checkbox"/> Clear</p> <p><input type="checkbox"/> Slight</p> <p><input type="checkbox"/> Medium</p> <p><input checked="" type="checkbox"/> Heavy</p>

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.      NOT VISIBLE

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, Grasses \_\_\_\_\_

**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%

<input type="checkbox"/> Bedrock	<input type="checkbox"/> Cobble (2.5 in – 10 in)	<input type="checkbox"/> Sand (<0.1 in)
<input type="checkbox"/> Boulder (> 10 in)	<input type="checkbox"/> Gravel (0.1 in – 2.5 in)	<input checked="" type="checkbox"/> F Silt
<input type="checkbox"/> Hard Pan Clay	<input type="checkbox"/> Other _____	

### Stream Discharge Estimate

Stream Width:  $\frac{25}{A}$  feet

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.  $\frac{2.0}{\quad}$  ft
2.  $\frac{4.2}{\quad}$  ft
3.  $\frac{2.5}{\quad}$  ft

Average Depth =  $\frac{2.9}{B}$  feet

### Velocity Calculations:

12 ft ÷ seconds = 0.8 ft/sec

12 ft ÷ seconds = 0.7 ft/sec

12 ft ÷ seconds = 0.8 ft/sec

Average Velocity =  $\frac{0.8}{C}$  ft/sec

Discharge (width x depth x velocity)  $\frac{25}{A}$  ft x  $\frac{2.9}{B}$  ft x  $\frac{0.8}{C}$  ft/sec =  $58.0$  ft<sup>3</sup>/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.

D	Forest (W1)		Logging (W2)		Golf Course (W3)
	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.)

