



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, 2018* To March, 2019

Permit No. ILR40 0730

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

Name: Village of Monee Mailing Address 1: 5130 West Court Street

Mailing Address 2: County: Will

City: Monee State: IL Zip: 60449 Telephone: 708-534-8306

Contact Person: Dave 'DJ' Kruzel Email Address: dkruzel@villageofmonee.org
(Person responsible for Annual Report)

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

Will 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.

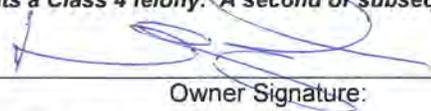
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

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:

Dave 'DJ' Kruzel
Printed Name:

5-29-2019
Date:

Public Works Superintendent
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

IL 532 2585 WPC 691 Rev 6/10 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 Monee

NPDES Permit No. ILR400730

Annual Facility Inspection Report

January 2019 to March 2019*

May 31, 2019

Content:	Page Number:
Item A: Description of Changes to BMPs	4
Item B: Status of compliance with permit conditions and assessment of minimum control measures	4
Item C: Results of information collected and analyzed, monitoring data (if any).	11
Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).	11
Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).	11
Item F: List of construction projects that your entity has paid for during the reporting period.	11
Sample Documentation for Minimum Control Measures	11

Any questions or comments regarding this report shall be directed to either of the following:

Village of Monee:

DJ Kruzal
Superintendent of Public Works
708-534-8306
dkruzal@villageofmonee.org

Ed Johnson
Public Works Deputy Superintendent
708-534-8306
ejohnson@villageofmonee.org

Robinson Engineering, Ltd:

Geoff Aggen, PE
Project Engineer
815-464-2664
gaggen@reltd.com

Dana Ludwig, PE, CFM, CPESC
Senior Project Manager
815-412-2702
dludwig@reltd.com

*The Village's NOI became effective on January 28, 2019;
this report includes documentation from January-March 2019
rather than March 2018 to March 2019.

Annual Facility Inspection Report - Supplemental Information

January 2019 to March 2019

May 31, 2019

Item A: Description of Changes to BMPs

The Village of Monee has not made any changes to their selected BMPs as outlined in the 1/27/19 Notice of Intent.

Item B: Status of compliance with permit conditions and assessment of minimum control measures

The Village believes that the BMPs completed within the first few months of their program (January-March 2019) are appropriate for the permit conditions. The status of each BMP is described in this section of the report. Sample documentation is provided in the last section of this report.

Public Education and Outreach

1. A1: DISTRIBUTED PAPER MATERIALS

The Village's Newsletter (Spring/Summer 2019) included an article titled 'Only Rain Down the Drain'. The newsletter was distributed during the first week of May to all residents and business owners within the Monee zip code (approximately 3,900 addresses).

The Village has also collected and printed a number of communications available online to start distributing. A brochure was also prepared titled 'How Can I Help Improve the Quality of Water in Monee?'.

2. A6: OTHER PUBLIC EDUCATION

The Village's Website was modified to include a stormwater page to link NPDES and other items: <https://www.villageofmonee.org/230/Storm-Water-Management>. This webpage currently includes links to the Village's NOI and future Annual Reports, as well as 5 links to other reference materials. The stormwater page also includes contact information (a phone number and email address) for residents and businesses to utilize regarding stormwater issues.

This website has just been completed and visitors to the webpage have not yet been tracked.

* A new form has been created for the Village to document Public Education, Outreach, Participation, and Involvement relating to the NPDES program.

Public Participation and Involvement

3. B4: PUBLIC MEETING

The Village will discuss the MS4 program at one public meeting per year. The first meeting will be held in Summer 2019.

4. B6: PROGRAM INVOLVEMENT

Various stormwater items were implemented as part of the Village's Earth Day event on 4/27/19:

- Rain Down the Drain – 25 copies
- Learn How to Make & Use a Rain Barrel – 20 participants
- Trash or Recycling Treasure – 25 giveaways for kids
- Make and Take Home Your Own Plant Pot – 40 participants

5. B7: OTHER PUBLIC INVOLVEMENT

Recycling and trash pickup will continue to be available to all residents in the Village.

** A new form has been created for the Village to document Public Education, Outreach, Participation, and Involvement relating to the NPDES program.*

Illicit Discharge Detection and Elimination

6. C1: SEWER MAP PREPARATION

The Village has a Storm Sewer Map which is regularly updated to add data or reflect new development or Village projects. Recent updates include:

- Identifying and numbering outfalls
- Adding watershed boundaries
- Adding storm sewer from new developments or new Village improvements projects including: the Amazon development and associated Ridgeland Avenue improvements; Main Street Drainage Improvements; Egyptian Trail Roadway Reconstruction; and Reconstruction of Roosevelt, Wilson, Court, and Polk Streets.

7. C2: REGULATORY CONTROL PROGRAM

The Village has various codes to assist with Illicit Discharge Elimination, which are available at the Village's website (or upon request). The code includes, but is not limited to the following sections that apply to this Minimum Control Measure:

- Title 1 – Administration, Chapter 4: General Penalty
 - 1-4-1: GENERAL PENALTY
- Title 1 – Administration, Chapter 14: Administrative Adjudication of Violations
 - 1-14-4: PROCEDURE
 - 1-14-5: SERVICE
 - 1-14-6: ADMINISTRATIVE HEARINGS
 - 1-14-7: NOTICES
 - 1-14-11: SCHEDULE OF FINES/PENALTIES
- Title 4 – Public Health & Safety, Chapter 1: Garbage & Refuse
 - 4-1-1: DEFINITIONS

- 4-1-2: VILLAGE SERVICES
- 4-1-3: COLLECTION SCHEDULE
- 4-1-4: CHARGES FOR SERVICES
- 4-1-5: PROCEDURE FOR NONPAYMENT
- 4-1-6: COLLECTION OF LANDSCAPE WASTE
- 4-1-7: CONTAINERS AND STORAGE OF GARBAGE AND REFUSE
- 4-1-8: DISPOSAL OF GARBAGE, RUBBISH AND LANDSCAPE WASTE
- 4-1-9: INSTITUTIONAL, INDUSTRIAL AND COMMERCIAL UNITS
- 4-1-10: BURNING OF REFUSE
- 4-1-11: PENALTY
- 4-1-12: RECYCLING PROGRAM
- Title 8 – Water and Sewer, Chapter 2: Sewer Use & Service
 - 8-2-2: USE OF PUBLIC SEWERS REQUIRED
 - 8-2-3: PRIVATE SEWAGE DISPOSAL
 - 8-2-4: BUILDING SEWERS AND CONNECTIONS
 - 8-2-5: USE OF PUBLIC SEWERS; PROHIBITED DISCHARGES
 - 8-2-6: POWERS AND AUTHORITY OF INSPECTORS
 - 8-2-7: PROTECTION OF SEWAGE WORKS FROM DAMAGE
 - 8-2-8: PENALTIES

As part of this program, the language of these current codes will be evaluated for applicability and effectiveness under the NPDES program.

8. C3: DETECTION/ELIMINATION PRIORITIZATION PLAN

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

9. C4: ILLICIT DISCHARGE TRACING PROCEDURES

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

10. C5: ILLICIT SOURCE REMOVAL PROCEDURES

The Village did not find any illicit discharges within the last reporting cycle. In the event that an illicit discharge is discovered, the Village will utilize the CWP Guidance Manual to expedite elimination of the illicit discharge.

11. C7: VISUAL DRY WEATHER SCREENING

The Village is preparing a plan for future years to perform outfall inspections (major/high priority locations) on an annual basis to detect any potential non-stormwater discharges and illegal dumping. Similarly, a plan is being put together for stream monitoring. Since the Village population is under 25,000, visual monitoring of its upstream and downstream watercourse locations will suffice.

**New forms have been created to collect details and document outfall inspections and stream monitoring. Documentation can be expected in future Annual Reports.*

Construction & Post Construction Runoff Control

12. D1, E2, & E3: REGULATORY CONTROL PROGRAM & LONG TERM O&M PROCEDURES

The Village has various codes to assist with Runoff Controls and Long Term O&M Procedures, which are available at the Village's website (or upon request). The code includes, but is not limited to the following sections that apply to these Minimum Control Measures:

- Title 7 – Public Ways and Property, Chapter 1: Streets, Sidewalks & Public Ways
 - 7-1-1: DRAINAGE DITCHES, WATERWAYS AND CULVERTS
- Title 11 – Zoning Regulations, Chapter 6: General Provisions Applicable to All Districts
 - 11-6-8: SITE PLAN REVIEW AND APPROVAL PROCESS
- Ordinance 1893: Requirements for Stormwater Management
 - § 55.021 GENERAL STORMWATER REQUIREMENTS
 - § 55.022 SITE RUNOFF REQUIREMENTS
 - (G) *Stormwater system easements*
 - (J) *Best management practices requirement*
 - § 55.023 SITE RUNOFF STORAGE REQUIREMENTS (DETENTION/EXTENDED DETENTION)
 - (E) *Extended detention requirement*
 - (F) *shoreline protection; water quality enhancements; landscape options; underground detention sediment removal*
 - (G) *Site runoff storage facility requirements*
 - (H) *Site runoff storage facility requirements within the regulatory floodway*
 - (J) *Cross-stream structures for site runoff storage facilities*
 - § 55.024 STORMWATER REQUIREMENTS FOR AGRICULTURAL LAND USE INCLUDING CROPLANDS, PASTURE LANDS AND FARMSTEADS
 - (B) *Conservation planning and performance standards*
 - (C) *Drainage practices, requirements and design criteria*
 - (D) *Sediment control for open channels*
 - (E) *Maintenance and construction of drainage systems*
 - § 55.025 AMENDMENTS
 - (B) *Storm system easements*
- Ordinance 1893: Sediment and Erosion Control
 - § 55.035 SITE PLANNING
 - § 55.036 STANDARDS AND SPECIFICATIONS
 - § 55.037 GENERAL REQUIREMENT
 - § 55.038 EXTENDED CONSTRUCTION SHUTDOWN PERIOD
 - § 55.039 HYDRAULIC AND HYDROLOGIC DESIGN REQUIREMENTS
 - § 55.040 “AS-NEEDED” PRACTICES ON THE PLANS
 - § 55.041 SEDIMENT AND EROSION CONTROL PLAN REQUIREMENTS
 - § 55.042 CONVEYANCE OF OFF-SITE FLOW
 - § 55.043 STOCKPILES
 - § 55.044 STORM SEWER INLETS
 - § 55.045 CONSTRUCTION DEWATERING

- § 55.046 PROTECTION OF PUBLIC/PRIVATE ROADWAYS
- § 55.047 TEMPORARY STREAM CROSSINGS
- § 55.048 INSPECTIONS
- § 55.049 AMENDMENTS
- Ordinance 1893: Protection of Special Management Areas
 - § 55.061 FLOODPLAIN, REGULATORY FLOODPLAIN, BASE FLOOD ELEVATION (BFE) AND REGULATORY FLOODWAY LOCATIONS
 - § 55.062 GENERAL PERFORMANCE STANDARDS
 - § 55.063 COMPENSATORY STORAGE VOLUME STANDARDS
 - § 55.064 FLOODWAY STANDARDS
 - § 55.065 RIVERINE FLOODPLAIN
 - § 55.066 BRIDGE AND CULVERT STANDARDS
- Ordinance 1893: Stormwater Management Permit Submittal Requirements
 - § 55.080 GENERAL REQUIREMENTS
 - (A) *Stormwater management and other permits required*
 - (B) *Permit review fees*
 - (C) *Professional seals and certifications required*
 - § 55.081 DURATION AND REVISION TO PERMITS
 - (A) *Permit expiration*
 - (B) *Permit extension*
 - (C) *Permit revision*
 - § 55.082 REQUIRED SUBMITTALS
 - (A) *Generally*
 - (B) *Modification of submittal requirements*
 - (C) *Application and project overview*
 - (D) *Plan set submittal*
 - (E) *Stormwater submittal*
 - (F) *Floodplain submittal*
 - § 55.083 SUBMITTALS PRIOR TO PERMIT ISSUANCE
 - (A) *Performance security*
 - (B) *Maintenance schedule and funding*
 - (C) *Professional seals and certifications required*
 - § 55.084 RECORD DRAWINGS
 - § 55.085 ISSUANCE OR DENIAL OF PERMIT AND APPEAL OF PERMIT DENIAL
 - § 55.025 AMENDMENTS
- Ordinance 1893: Long Term Maintenance
 - § 55.100 LONG-TERM MAINTENANCE
 - § 55.101 TRANSFER TO PERMITTING AUTHORITY OR OTHER PUBLIC ENTITY
 - § 55.102 TRANSFER TO HOMEOWNER'S OR SIMILAR ASSOCIATION
 - § 55.103 CONVEYANCE TO ONE OR MORE PERSONS
 - § 55.104 INCORPORATION OF MAINTENANCE OBLIGATIONS IN STORMWATER MANAGEMENT PERMIT
 - § 55.105 FUNDING OF LONG TERM MAINTENANCE OF STORMWATER FACILITIES
- Ordinance 1893: General Provisions
 - § 55.120 SCOPE OF REGULATION
 - § 55.126 VIOLATIONS

- Ordinance 1893: Variances
 - § 55.141 APPLICATION FOR VARIANCE
 - § 55.142 APPLICATION FEE
 - § 55.143 PUBLIC HEARING
 - § 55.144 GRANTING OF VARIANCES
 - § 55.145 RECOMMENDATIONS
 - § 55.146 DECISION
 - § 55.147 CONDITIONS
 - § 55.148 AMENDMENTS
- Ordinance 1893: Enforcement
 - § 55.200 GENERAL SECURITY REQUIREMENTS
 - § 55.201 DEVELOPMENT SECURITY
 - § 55.202 SEDIMENT AND EROSION CONTROL SECURITY
 - § 55.203 LETTERS OF CREDIT
- Ordinance 1893: Enforcement
 - § 55.230 INSPECTION AND MAINTENANCE AUTHORITY
 - § 55.231 REQUIRED INSPECTIONS
 - § 55.232 OFFENSES
- Ordinance 1893: County Stormwater Management Technical Guidance Manual
 - § 55.245 ADOPTION BY REFERENCE
 - § 55.999 PENALTY

As part of this program, the language of these current codes will be evaluated for applicability and effectiveness under the NPDES program.

13. D2: EROSION AND SEDIMENT CONTROL BMPs

The Village enforces installation and maintenance of erosion and sediment control BMPs for construction projects. A sample photo is attached to this report.

14. D4: SITE PLAN REVIEW PROCEDURES

Development projects are reviewed under local and state ordinances by Village Staff and engineering consultants, especially regarding erosion and sediment control measures. Projects over one acre are required to obtain a Notice of Intent prior to construction. One new development project larger than an acre was submitted within the reporting period and filed an NOI (Thornton's Fuel Center). Work is anticipated to commence within the next month. The SWPPP and a sample review letter is included in this report.

15. D6: SITE INSPECTION/ENFORCEMENT PROCEDURES

The Village enforces the required periodic inspections of projects greater than one acre. There are three developments over one acre active at this time. Sample inspections are attached to this report.

**A new form has been created to document the inspections during construction.*

16. E6: POST-CONSTRUCTION INSPECTIONS

Village Staff regularly performs inspections of major stormwater facilities to observe needs for maintenance and repairs with intent of improving stormwater quality. Formal documentation will commence to document the inspections.

**A new form has been created to document the inspections of stormwater facilities.*

Pollution Prevention and Good Housekeeping

17. F1: EMPLOYEE TRAINING PROGRAM

Employee Training has occurred within the Public Works Department from time to time on a variety of topics that pertain to stormwater quality, awareness, and documentation.

**A new form has been created to document staff training in the future.*

18. F2: INSPECTION AND MAINTENANCE PROGRAM

Routine maintenance of Village streets, storm sewer, ditches, and stormwater facilities is part of the Public Works responsibilities. This includes sweeping, vacuuming, jetting, repair, debris and branch collection, etc. Documentation will be prepared for future Annual Reports.

**A new form has been created to document pollution prevention and good housekeeping activities in the future.*

19. F3 & F4: MUNICIPAL OPERATIONS STORM WATER CONTROL & WASTE DISPOSAL

Deicing materials and vehicles are stored in a permanent structure. All fertilizers, pesticides, and other chemicals are stored indoors.

20. F5: FLOOD MANAGEMENT/ASSESS GUIDELINES

The Village has various ordinances in place for flood management (as listed earlier in this report). These ordinances are enforced on all Village and non-Village projects as applicable.

21. F6: OTHER MUNICIPAL OPERATIONS CONTROL

Village Staff is planning and budgeting a Facility SWPPP for the new public works site.

Village Garbage is collected weekly from approximately 2040 residences in covered cans which helps to reduce the debris and pollution in waterways. A contract was prepared ±7 year ago which includes collection of municipal solid waste, yard waste, and recyclable materials from covered carts.

The Village also offers periodic bulk yard waste pick up during spring, summer, and fall months that is performed by Village Staff. Village Staff also cleans up dumped materials as part of regular tasks and workload.

In addition, the Village also utilizes a Will County program to collect electronic and hazardous waste. The Village will advertise when the County is holding waste collection days which is hosted at a site outside the Village limits in Peotone.

The Illinois Integrated Water Quality Report has been evaluated for each watershed within the corporate limits. A summary of the findings is included in this report.

Item C: Results of information collected and analyzed, monitoring data (if any).

No monitoring data has been collected, as it is not required for the Village of Monee.

Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).

The Village intends to complete the BMPs identified under each MCM category as outlined in the 1/25/19 Notice of Intent.

Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

Not applicable. The Village of Monee does not rely on another governmental entity to satisfy NPDES permit obligations.

Item F: List of construction projects that your entity has paid for during the reporting period.

The Village did not let any contracts within the reporting period that disturbed one acre or more.

Sample Documentation for Minimum Control Measures

The remaining sheets in this report include some available documentation for various Best Management Practices discussed under Item B.



5130 W Court St, Monee, IL 60449 | 708-534-8301

www.villageofmonee.org

There's No Place Like Monee...

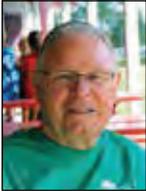


**Village of Monee
Non-Highway Vehicle
Registration to begin June 1!**



Go to villageofmonee.org/non-highwayvehicles
for more information

Hello from Mayor Popp



Mayor Jim Popp

I've been in office coming up on two years and I'm happy to report how our wonderful town is getting along. We work to constantly improve the services we provide to our community. Each department becomes better at what they do every day. Coming out of a crazy winter, Public Works has kept our roads clear and ice free for safe travel. The Monee Police Department works around the clock to provide a safe and quiet

community. The Emergency Management Agency (EMA) is growing its volunteer force and continues training to be there in times of need. The Parks & Recreation department is gearing up for a great summer with baseball, softball and other exciting programs throughout the summer and I can't begin to tell you how well Administration works behind the scenes. I want to thank the Board of Trustees for their dedication in guiding the village.

It's been a major part of my mission to make sure that Monee is a business-friendly village. When I came into office, Amazon was under construction and we were just a few months away from

seeing 2,500 new jobs in town. Since then, that momentum has led to much more. Nearly \$100M of new investment. Over 1M SF in new construction. Hundreds of new jobs. But it's not just big boxes that are doing well. More than a dozen new businesses have opened. From home-based businesses like the author of the children's book Pigs Don't Wear Pearls, to Labas Latte & Vino offering cappuccinos, wine, and craft beers on Governors Highway, to Kenco taking up over 700,000 SF of formerly vacant space, the business community is doing very well in Monee.

Our village becomes a more desirable location to live, work and raise a family every passing day. This is only achieved by everyone...businesses, residents, and staff working together. My staff working like a well-oiled machine allows me the time to get out in the community and live up to what I promised during my election and that is being a 'People's Mayor'.

I look forward to the next two years in office and the opportunities that are in store for the great village of Monee!

See you on the street,

Mayor Jim Popp

.....
"Our village becomes a more desirable location to live, work and raise a family every passing day."
.....

From the desk of Trustee Blue...

Wow, it's hard to believe I have been serving our village in this capacity for two years. I have learned a lot starting as Trustee for Building Services, Economic Development and now Finance.

I wanted to share a couple of lessons learned in my tenure to date.

The hardest decisions are made easier when I do my homework, listen to concerns, consider all of the options, then remind myself who I serve — our residents.

We are all in this together, we want the best for our village and just like we do at home, want to be fiscally responsible in maintaining and improving our infrastructure.

We are growing, business licenses are being pulled which is a great sign of growth. We need a plan though, a vision for our future. Someone told me this week Teamwork makes the Dream work and he is right — if we pull together as a team, draw closer as a community our dream can be realized, right here in the Village of Monee!

I love to be outside and Spring is here — one of my favorite seasons. Enjoy it, check in on a neighbor, hold a block party — with the usual permissions and checking in with our Police Department first of course!

If you want to contact me please call (708) 475-5280 or email me at jblue@villageofmonee.org.



Janet E. Blue
Trustee
Finance
Office phone (708) 475-5280

Serving all Residents and Businesses in the Village of Monee

Congratulations

The 2019 Consolidated Election was held on April 2nd. Congratulations and welcome Trustees Heidi Gonzales, Scott Youdris and Michael Wilson to the Village Board.

Thank you

A sincere and heartfelt thank you goes out to Trustee Bill Gray for his eight years of dedicated service to the Village of Monee. Thanks so much Bill!

Vehicle Stickers

2 Year Vehicle Stickers go on sale June 1, 2019 and are due on July 1, 2019

For the month of June 2019 the Village Hall will be open:

Saturdays 9:00am-12:00pm

Wednesdays 9:00am-7:00pm

Renewal notices will be mailed out in May.

We ask that you please bring your renewals with when purchasing.

Hydrant Flushing Schedule

Day	Date	Flushing Area
Monday	4/29/2019	Area bordered by the IC tracks to the west, Main St. to the north, Eastgate Ave. to the east, and Mill St. to the south
Tuesday	4/30/2019	Walker's Grove Subdivision
Wednesday	5/1/2019	Monee Fairgrounds Subdivision
Thursday	5/2/2019	Area bordered by Main St. to the north, Ruby St. to the west, Margaret St. to the south, Will-Center Rd. to the east.
Friday	5/3/2019	Eagle Fair Estates Subdivision
Monday	5/6/2019	Area bordered by the IC tracks to the west, Court St. to the south, Eastgate Ave. to the east, including Monee Estates Subdivision
Tuesday	5/7/2019	Golf Vista Estates
Wednesday	5/8/2019	Golf Vista Estates
Thursday	5/9/2019	Golf Vista Estates
Friday	5/10/2019	Monee Elementary School
Monday	5/13/2019	Country Meadows Subdivision
Tuesday	5/14/2019	Country Meadows Subdivision

Day	Date	Flushing Area
Wednesday	5/15/2019	Country Meadows Subdivision
Thursday	5/16/2019	Area bordered by Egyptian Trail on the west, Main St. on the south, IC tracks on the east, Monee-Manhattan Rd. on the north
Friday	5/17/2019	Area south of Main St., west of IC tracks, including Derby Meadows, and south Governor's Hwy.
Monday	5/20/2019	Southland Industrial Park
Tuesday	5/21/2019	Southland Industrial Park
Wednesday	5/22/2019	Monee Manor, Highlands Subdivision
Thursday	5/23/2019	Highlands Subdivision
Friday	5/24/2019	Von Ave., Sutton Pl., Monee-Manhattan Road
Monday	5/27/2019	HOLIDAY - No Flushing
Tuesday	5/28/2019	Cleveland Ave.
Wednesday	5/29/2019	Sunset Drive, BC Development
Thursday	5/30/2019	Ridgeland Ave.

Only Rain Down the Drain

Understanding where storm sewer pollution comes from and what you can do to help our community have a better environment.

When the rain or water hits hard surfaces, like pavement, it creates storm water run-off. The runoff picks up lots of nasty pollution as it is carried directly through the gutters and drains out to the rivers, streams, and lakes making them toxic and unsafe for people and animals. The pollution is typically not treated or removed from the water on its journey, so it's up to us to keep it clean and fresh from the start. Here are some things we can all do to minimize storm water pollution and keep our community looking and feeling great.

Step 1: Maintain your car or truck. Never dump any chemicals from these vehicles down a storm drain. Always recycle used oil, antifreeze and other fluids. Fixing leaks on your vehicle will minimize run-off during rain or watering events.

Step 2: Wash your vehicle at a commercial car wash rather than in the street or in your driveway. These types of facilities typically will contain storm or sanitary basins designed to minimize chemical run-off. If you prefer to wash at home, do so

in a grassy area so soaps and cleaners can collect locally on site and not down a storm drain.

Step 3: Drive less. Leave your car at home at least one day each week and take a bus, carpool or bike to work. Combine errands when you drive. Get your vehicle emissions system checked. Buy a low emissions vehicle to reduce pollutants.

Step 4: Cut down on fertilizers, pesticides and herbicides. If you use these chemicals, follow the label directions and use them sparingly. Don't fertilize before a rainstorm. Consider using an organic type fertilizer. Compost or mulch lawn clippings. Preserve existing trees or plant new ones—trees hold rainfall and help manage storm water.

Step 5: Pick up after your pets. Scoop your dog's poop and properly dispose of it.

Step 6: Reduce impervious surfaces at home and increase the vegetated land cover on your property. Reduce your rooftop

runoff by directing your gutter downspouts to vegetated areas and not directly into the storm drain on your street. For your driveway and patios, consider putting in a permeable paving brick or patterns of cement and brick that allow rain water to filter through it.

If each of us can make some small adjustments in our daily routines now, then together we can insure our water and environment stay clean and healthy for generations to come.

For more information, please visit:
www.villageofmonee.org



Prevention of the Mosquito

With the winters becoming milder, we can only expect the mosquito population to be higher. Taking proper precautions are necessary to reduce the reproduction of the larvae. Standing water left to sit out can give rise to hundreds mosquitoes in a matter of days. To prevent your homes from pesky mosquitoes, take the time to clear the following from standing water.

- Empty buckets, old tires or any containers that hold water.
- Clean out your gutters of debris and standing water.
- Change outdoor water dishes daily
- Rinse and scrub vases and other outdoor water containers such as bird baths and wading pools.
- Always maintain your pools and hot tubs.
- Cover your trash containers.

If mosquito problems persist, consider pesticide applications for yards and vegetation around the home. When standing water cannot be drained and water will be present for more than a couple of days, treat standing water with larvicide such as mosquito “dunks”. In addition to mosquito control strategies, the best way to avoid infection is to prevent mosquito’s bites from happening. Individuals can protect themselves by wearing insect repellent and wearing long sleeves and pants. Keep in mind mosquitoes are typically more active during dusk, but they can be present and active at all times of the day.



The Village of Monee has partnered with Will County Dept. of Public Health and the IL Dept Of Public Health as a mosquito monitoring and reporting location for South / East Will County where we monitor mosquito activity at four different locations within the village limits. We have 4 licensed (Dept. of Agriculture) public applicators working for the village who collect samples, distribute larvicide and adulticide product in the Village limits. They attend numerous training events throughout the year and are in constant communication with the WCHD & IDPH.

Monee applies larvicide to approximately 978 known catch basins throughout the village. We ground spray (adulticide) when mosquito activity is at its peak around dusk. We do not spray west of I-57 due to conflicts with beekeepers. The spray can be harmful to the bees. The Village of Monee will post on our facebook page when spraying.

Smart Digging Means Calling 811!

Building a deck? Planting a tree? Installing a mailbox? You may be surprised by what’s buried in your yard.



Call Julie at 811 or 1-800-892-0123 before you begin any digging project. Whether you are a homeowner or a professional excavator, one call to 811 gets your underground utility marked for free.

“Call 811 Before you Dig” number was created to help protect you from unintentionally hitting underground utility lines while working on excavating projects. People digging often make risky assumptions about whether they should get their utility lines marked due to concern about project delays or cost.

Every digging job requires a call- even small projects like planting trees and shrubs. If you hit an underground utility line while digging, you can harm yourself or those around you, disrupt service to an entire neighborhood and potentially be responsible for fines and repairs. IT’S THE LAW.

For more information, please visit: www.villageofmonee.org

You'll know what's below by the different flags, stakes or paint.



Maintaining Our Ponds

Ponds and water features are valuable assets to any property owner. Left unmanaged, they can significantly detract from the true value of the property. Stagnant, nutrient waters can lead to excessive aquatic vegetation. The Village of Monee uses Marine Biochemist to treat our ponds every year. Marine Biochemist has been in business for over 45 years, specializing in aquatic management. With the help of home owners, we can work together to keep our ponds healthy for the vegetation and wild life. Follow these steps as homeowners and can make a huge difference in our environment.

Limit the amount of fertilizers used throughout the property. Over use of fertilizer can have a run off effect in to our ponds. The health of a water body is determined largely by the amounts of nutrients found in the system. Nutrients act as food for fish, birds, plants and algae. Too many nutrients can create a nuisance.

Do not add your own aquarium plants to the ponds. Exotic and nuisance aquatic plant growth can further unbalance the water. These organisms tend to quickly dominate the areas where they grow, increase sedimentation and interrupt the normal cycles of the ponds.

By taking these steps, we can all enjoy our ponds in the Village of Monee.



Yard Waste & Branch Pickups

Republic Services Yard Waste Pickup

Yard waste can be placed on in either brown paper bags or in your own containers. The containers must be marked with yard waste only stickers. These stickers can be obtained at no-charge by calling customer service at 708-385-8252 or at the Village Hall.

The containers cannot exceed 35 gallons in size, or 40 pounds in weight. Please Note: Tree branches in excess of two inches in diameter will not be removed. Tree branches must be bundled in a maximum 2 feet in diameter and 4 feet in length and should weigh no more than 40 pounds. Yard waste in plastic bags is not acceptable.

The Village of Monee Branch Pick Up

Please have your branches at curb side ready for pick up prior to the scheduled dates.

All dates are weather permitting. Please note: We do not chip root balls or dirt. Please have these items disposed of properly. We also will not chip trees that have been contracted out for removal.

The Public Works Department understands severe weather events can take place that warrant clean ups.

For more information, please visit:
www.villageofmonee.org

Branch Pick Up Schedule

April 9th-11th

May 7th-9th

June 11th-13th

July 9th-11th

August 13th- 15th

Sept. 17th-19th

Oct. 15th-17th

Nov. 20th-22nd last branch pick up (weather permitted)



Civil Air Patrol

Civil Air Patrol is a volunteer organization that follows the same structure as the Air Force with three basic missions: sharing aviation and aerospace education, participating emergency services for the community and leadership training for today's young adults through its cadet program.

The aerospace education mission teaches basic aviation; science, technology, engineering and mathematics, or STEM topics; astronomy; and basic flight instruction. As part of it, cadets have orientation flights in Cessna aircraft and a glider, even taking the controls for a while.

In Emergency Services, members are trained in first aid/CPR, compass reading, radio communications and more in preparation for search and rescue missions. Thunder teams have helped look for missing people and for aircraft that don't arrive at their destination when expected. They've found signals from Emergency Locator Transmitters and assisted in aerial photos of tornado and flooding damage.

The purpose of the Cadet Program is twofold: to train today's youth to be tomorrow's leaders and introduce them to careers in aviation. Cadets are given leadership roles to teach them



responsibility, project management, public speaking, and problem-solving.

Thunder Composite Squadron meets on Wednesdays from 7-9pm at Heritage Middle School (19250 Burnham Ave) in Lansing. Adults from all walks of life and youth aged 12 to 17 are welcome to join. Contact Maj Barb Buckner at bbuckner@ilwg.cap.gov for more information.



PUBLIC EDUCATION/OUTREACH & PARTICIPATION/INVOLVEMENT

Name of Village Representative filling out form: David "DJ" Kruezel

Position: Superintendent

Title & Date of Event/Activity: Newsletter mailing (May Mailings)

Sponsor/Department: Village of Monee - 60449

Location of Event/Activity: Monee Village Limits 3,900 mailings

NPDES Type of Event/Activity: (check one of the following)

Public Education/Outreach (distribution of educational materials; presentations)

Public Participation/Involvement (any event that includes the public in developing, implementing, updating and reviewing the stormwater management program)

Brief Description of Event/Activity: Newsletter informational articles for residents

Attendance of Event/Activity: —

Duration of Event/Activity (hours): 1 time mailer Spring/summer 2019

Quantification of Event/Activity: (check/fill in the applicable areas)

Distributed Materials Type: Newsletter - Only Rain Down the Drain Quantity: 3,900

Public Meeting: Length of Time: _____ Number of Attendees: _____

Presentation: Length of Time: _____ Number of Attendees: _____

Volunteer Work: Length of Time: _____ Number of Workers: _____

Type of Work: _____

Quantification of Work: _____

Other: _____

Other: _____

Description of what was accomplished: (check/fill in the applicable areas)

Public awareness of water quality issues

Public knowledge of pollution prevention measures

Public awareness of the benefits and costs of pollution prevention

Public knowledge of green infrastructure strategies

Direct removal of stormwater pollution

Community entertainment/involvement

Civic pride

Received inquiries from residents asking what they could do to help

Other: _____

Other: _____

Conserve Water This Summer

BY GEMINI BHATAJ, D.D.

If you are concerned about conserving natural resources and enjoy gardening, consider adopting these water-saving techniques in your yard. Following these tips will leave your garden plants happy, your lawn healthy, and help the environment too!

Water your garden in the early mornings:

Watering in the mornings, before the heat of midday, helps plants get their fill of water before it is lost through evaporation from the soil surface. This includes your lawn! Water plants in the morning and close to the soil line to minimize wet foliage at night, which can encourage fungal diseases. Be sure to avoid setting your sprinkler up where water is wasted on concrete sidewalks.

Install a rain barrel:

Rainwater that runs off your roof and down the drain can be captured in a rain barrel. Remember, do not use this water for your edible garden, but for your lawn and ornamentals instead!

Choose native and drought-tolerant plants:

Native Illinois plants are adapted to long, hot summers. Their long root systems mean that after they are established they require less watering than other plants! Swap out some non-natives or convert a small area of lawn to include natives. You can be sure to find beautiful blooms that will fit into your garden design and minimize water use!

Group plants by water requirements:

Grouping plants by water, soil, and sun requirements will reduce overall maintenance in any ornamental garden. Tailoring your garden plan based on water needs will help reduce water waste.

Water your lawn or garden only when necessary:

It is natural to want a regular schedule for watering your lawn or garden, but sometimes it's best to let your lawn go dormant. Decide at the beginning of the year if you will let your lawn go dormant when the weather is hot and dry rather than switching back and forth. You can tell if your lawn needs water when visible footprints are present after walking on it. Infrequent lawn watering also promotes root growth. The best way to tell if your plants need water is to get your hands in the soil! If you get into your vegetable or ornamental bed and the first several inches of soil is dry, it's time to add some more water.

Add organic matter to your soil:

Adding organic matter to your garden beds or lawn improves long term soil texture and soil holding capacity; this means less watering! Apply leaf litter, mulch, or even brown grass clippings and allow it to break down overtime.

Cover garden beds with mulch:

Mulching around plants minimizes evaporation from soil surfaces and helps prevent weeds, which steal precious water and nutrients from the other plants in your garden. Natural mulches do double duty and break down over time, adding organic matter to your soil.



What is the Village of Monee Doing to Improve Water Quality?

During construction, all sites are required to filter storm water leaving the site.

The village requires that all new developments protect storm structures from sediment and other contaminants using appropriate best management practices (BMPs).



As part of the review process, all developments (residential and commercial) are required to include notes and details on the engineering drawing in compliance with the NPDES Phase II regulations. These regulations were established by the U.S. Environmental Protection Agency (EPA) to improve water quality.

Village of Monee
5130 W. Court Street
Monee, IL 60449
Phone: (708) 534-8306



***Village
Of
Monee***

Village of Monee
5130 W. Court Street
Monee, IL 60449
Phone: (708) 534-8306

Village of Monee

*Stormwater
Protection
Program*



How Can I Help Improve the Quality of Water in Monee?

Village Of Monee

The storm drainage system carries untreated stormwater runoff directly to creeks and rivers. Improper pouring of wastes into storm drains directly impacts our environment. Oil, paint, fertilizer and pesticides pollute the water, destroy plants, endanger wildlife and affect drinking water. The pollutants most commonly dumped into storm drains are motor oil, fertilizer, antifreeze, pesticides, herbicides and paint.

Did You Know?

One quart of oil can contaminate 250,000 gallons of water. The oil from one motor oil change can create an 8-acre oil slick. Antifreeze is toxic to people, domestic animals and wildlife. Paint products can be harmful to people, animals and the environment. Herbicides destroy streamside brush and vegetation as well as animals. Fertilizers encourage the growth of algae, which can reduce the amount of oxygen in the water and lead to fish kills.



What Are the Benefits of Improved Water Quality?

- We have clean water in our rivers for drinking, wildlife and recreation.
- Storm drainage facilities that are free of sediment and trash require less maintenance
- Stream corridors provide a healthy habitat for wildlife and an attractive space in a neighborhood.



How Can Residence Help Improve Water Quality?

- Properly store and dispose of oils, chemicals, antifreeze and other toxic material.
- Never dump any waste in the storm drain. Dispose of litter and animal waste in a trashcan. Sweep sidewalks, gutters, driveways and other paved surfaces. Put the debris in the trashcan.
- Use garden chemicals sparingly and only when necessary, lest they get washed into the creek.
- If you see dumping or debris in the ditches or basins, filling or construction near property lot lines, or filling or construction in the floodplain without a permit sign posted, contact the Village Hall at (708) 534-8306.





PUBLIC EDUCATION/OUTREACH & PARTICIPATION/INVOLVEMENT

Name of Village Representative filling out form: DAVID 'DJ' KRUZEL

Position: Superintendent

Title & Date of Event/Activity: EARTH DAY 4/27/2019

Sponsor/Department: Village of Monee / Public Works

Location of Event/Activity: Firemans Park / Monee / Park Building

NPDES Type of Event/Activity: (check one of the following)

Public Education/Outreach (distribution of educational materials; presentations)

Public Participation/Involvement (any event that includes the public in developing, implementing, updating and reviewing the stormwater management program)

Brief Description of Event/Activity: Learning about stormwater BMP's for residents
Rain barrel, Clean up trash - Ditches, Earth friendly Plantings

Attendance of Event/Activity: 30-45 people

Duration of Event/Activity (hours): 8^{am} - 12^{pm} - 3.5 hours

Quantification of Event/Activity: (check/fill in the applicable areas)

Distributed Materials Type: Examples attached. (Photos) Quantity: 20 different articles

Public Meeting: Length of Time: _____ Number of Attendees: _____

Presentation: Length of Time: 30 min Number of Attendees: 10

Volunteer Work: Length of Time: 2 hours Number of Workers: 10

Type of Work: Trash Pickup at ditches, waterways.

Quantification of Work: 17 Trash bags

Other: _____

Other: _____

Description of what was accomplished: (check/fill in the applicable areas)

Public awareness of water quality issues

Public knowledge of pollution prevention measures

Public awareness of the benefits and costs of pollution prevention

Public knowledge of green infrastructure strategies

Direct removal of stormwater pollution

Community entertainment/involvement

Civic pride

Received inquiries from residents asking what they could do to help

Other: _____

Other: _____

Earth Day Celebration!

Saturday, April 27
FIREMEN'S PARK, MONEE
RAIN OR SHINE!

8:30-10:30am

Team Up to Clean Up Bring gloves!

Rain Down the Drain

Storm rain pollution information

Learn How to Make & Use a Rain Barrel

9:00am - Noon

Trash or Recycling Treasure?

Giveaways for kids!

9:30 - 10:30am

Make and Take Home Your Own Plant Pot

Soil and plants donated by Santa Fe Nursery

10:30am-Noon

Free Hot Dogs/Soda to the first 100!

Presented by the Village of Monee/Beautification
Committee. For more information contact
jblue@villageofmonee.org or
6280.

B6





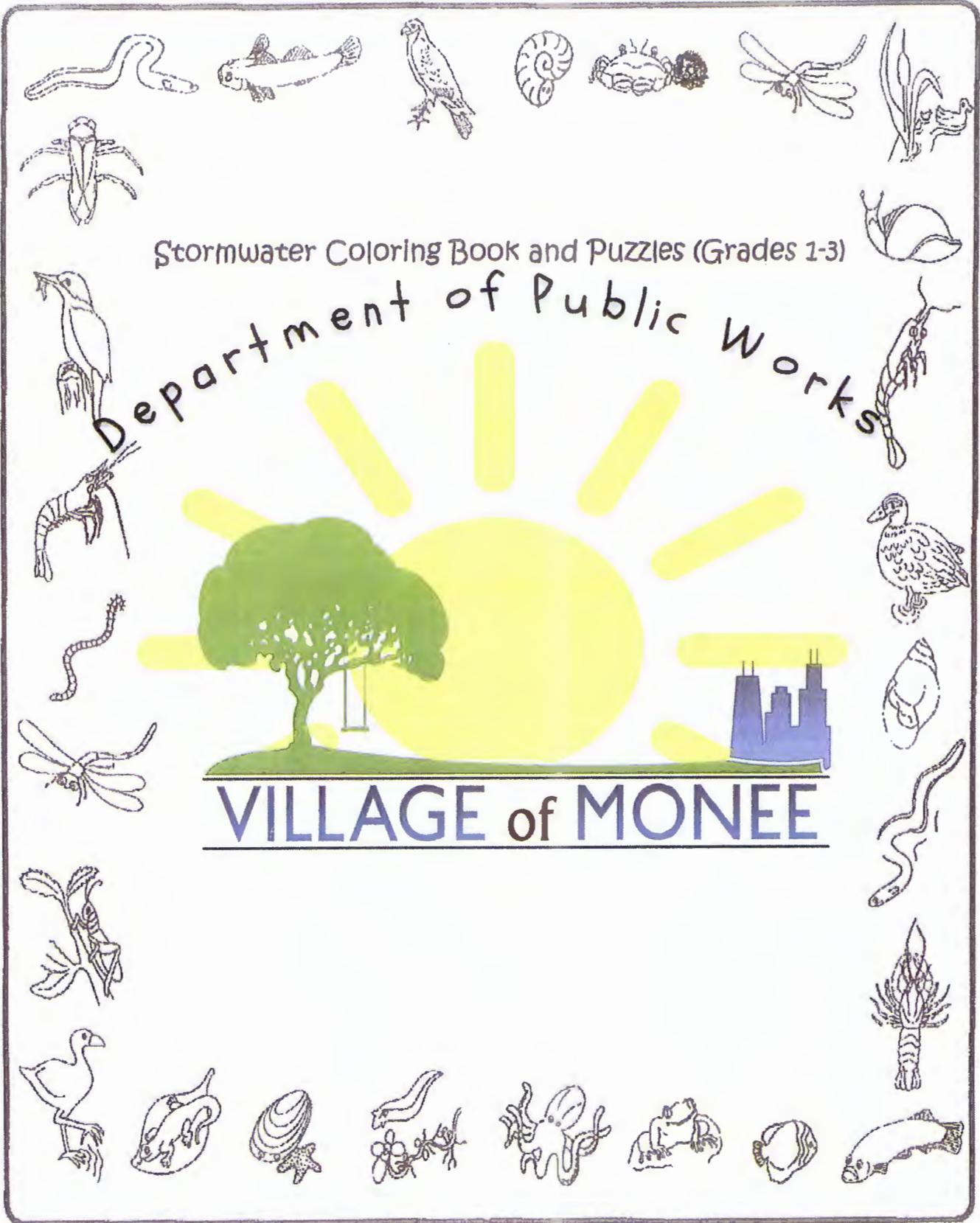


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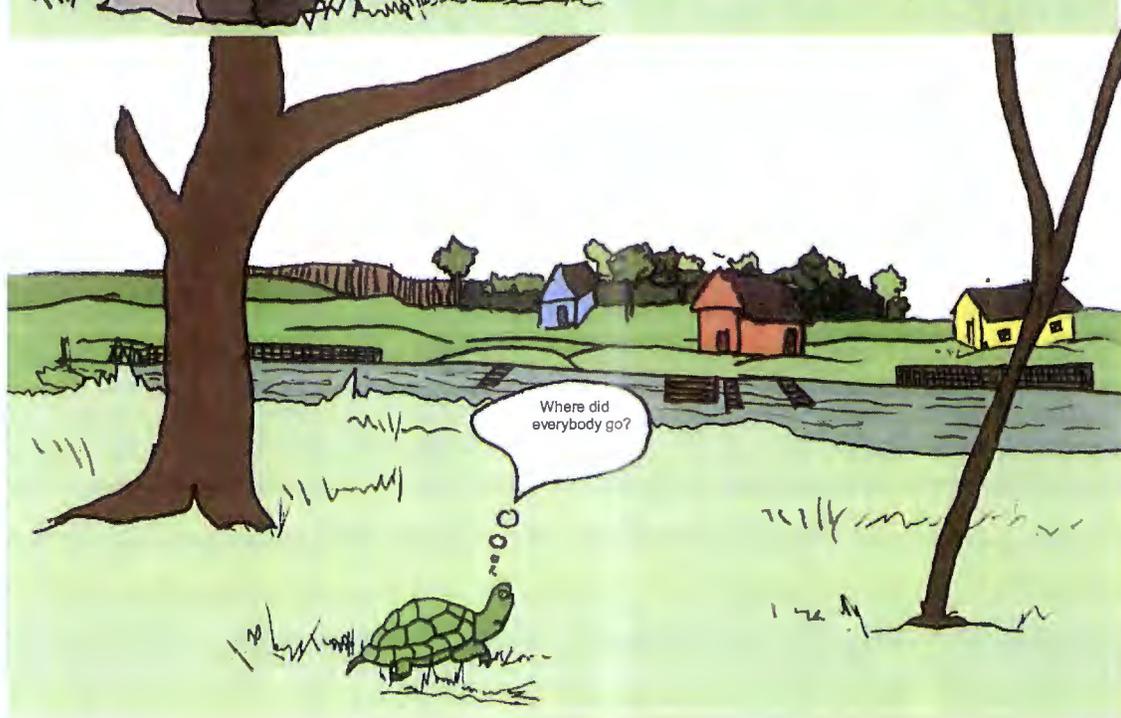
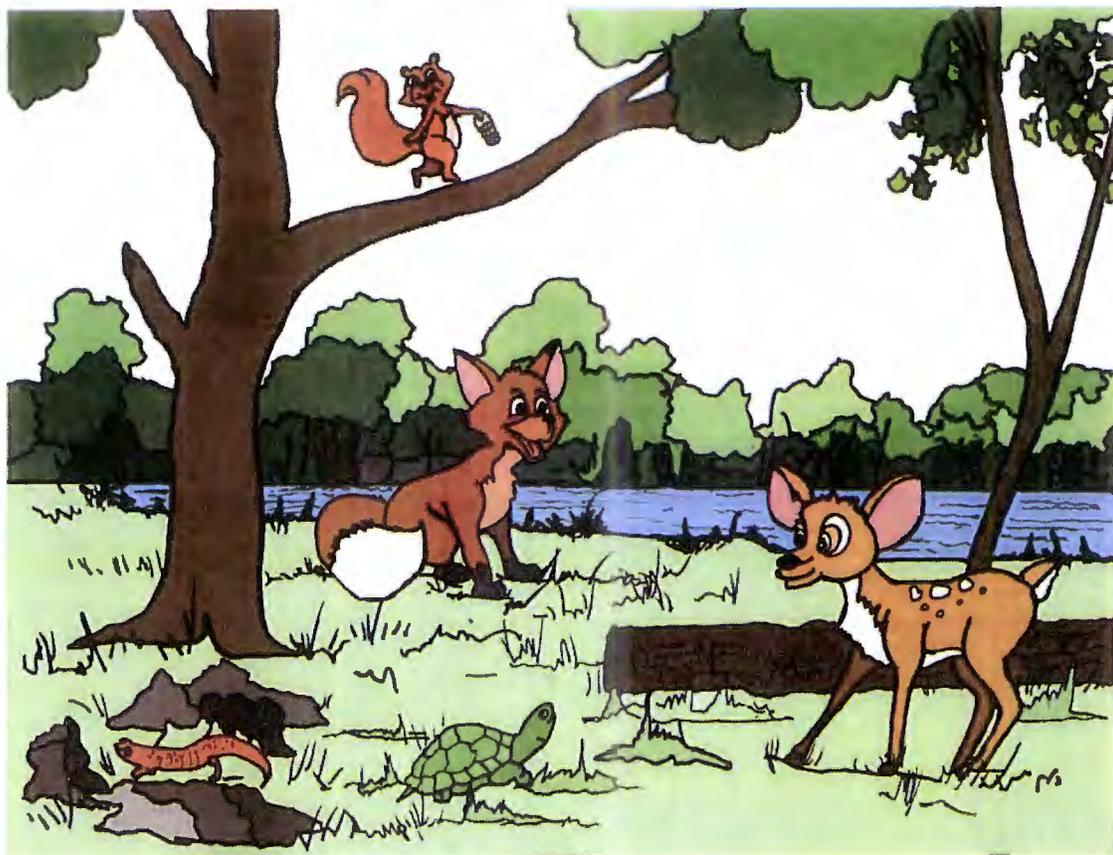


Stormwater Coloring Book and Puzzles (Grades 1-3)

Department of Public Works

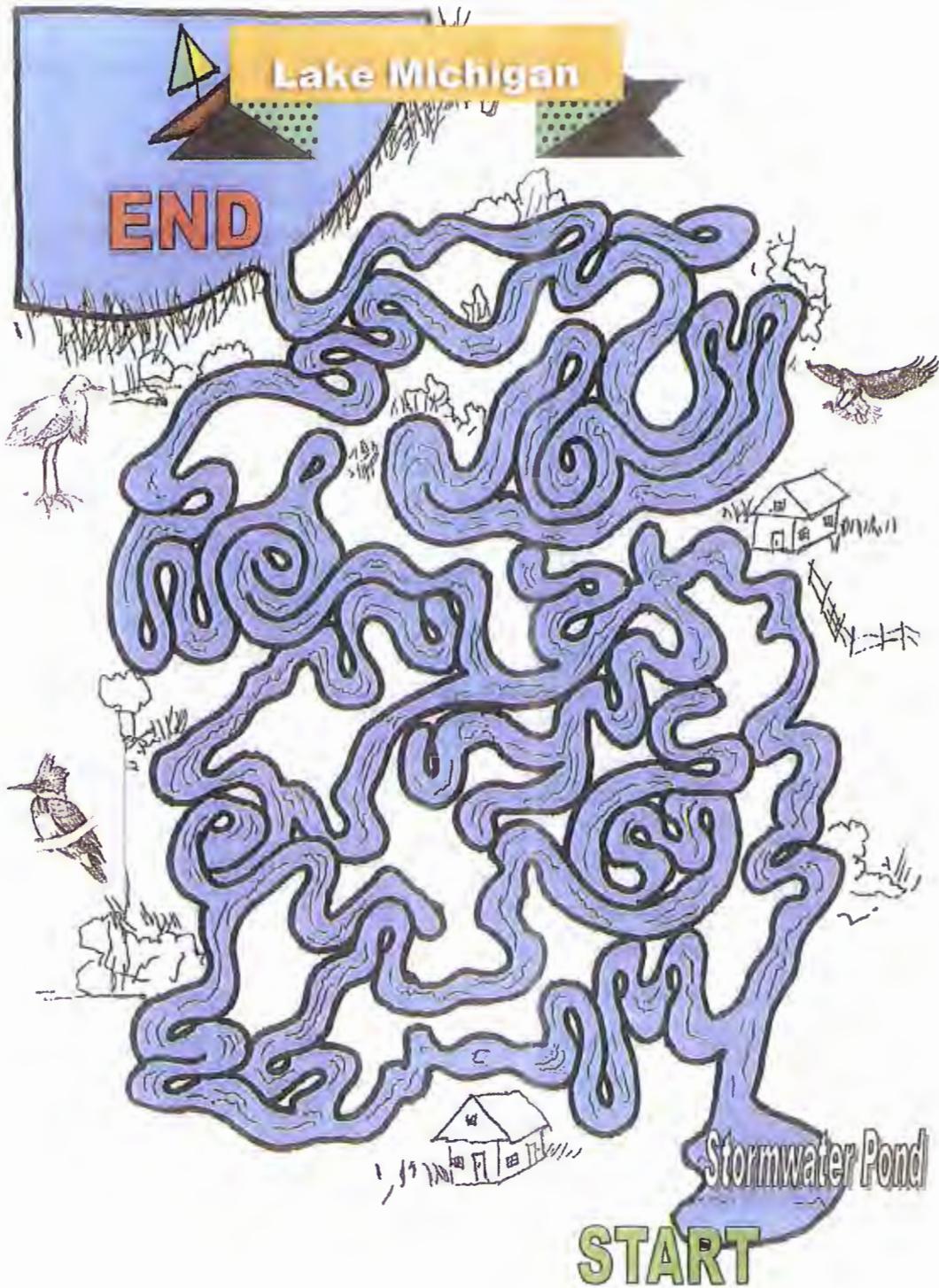
VILLAGE of MONEE

When we have lots of trees, water soaks into the ground when it rains. We also have many animals that like to live there.



After we build houses, the rain runs off roads and parking lots. The rain water collects oil and gasoline and causes pollution in lakes, rivers, and even the ocean. This water is called stormwater runoff.

To fix this problem, stormwater ponds are built. They collect this water and take out the pollution. Find the path of the water from the stormwater pond below.



Trash and Recycling



Republic Services

Trash collection and recycling services are provided to the Village of Monee by Republic Services. Trash is collected every Friday throughout the Village, and recycling bins are collected every other week, depending on your location within the Village. For more specific information regarding our recycling program, click [here](#). Yard waste will also be collected by Republic every Friday between April 1, and November 30. Click [here](#) for more information.

If you have questions about your trash or recycling pickup schedule please contact Republic Services directly at 708-385-8252.

[Recycling Schedule and Village Map](#)

[Republic Services Holiday Schedule](#)

The cost for residential trash, recycling, and yard waste services is \$17.87 per month, and is billed bi-monthly on your Village utility bill. To learn more about the breakdown of your utility bill, click [here](#).

Contact Us

Public Works

[Email The Department of Public Works](#)

Physical Address
5144 W Court Street
Monee, IL 60449

Phone: 708-534-8306

Fax: 708-534-1040

Emergency: 911

Hours

Monday through Friday
7 a.m. to 3 p.m.

To report a concern after hours, contact the Laraway Communications Center at
(779) 803-5000
or
(708) 672-1564

[Directory](#)

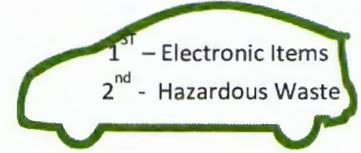


RESIDENTIAL ELECTRONICS & HAZARDOUS WASTE DROP-OFF EVENT

VEHICLE UNLOADING ORDER

By Appointment Only

Saturday, May 11, 2019 – 8am to 3pm
Monee



For location information: Make Appointment at
www.willcountygovern.com

Event Sponsored By:
Will County Land Use Department
Resource Recovery & Energy Division



815-727-8834

willcountygovern.com
The will power to rethink, renew, reduce and recycle.

ACCEPTED ITEMS

Electronic Items (broken or obsolete)	Household Hazardous Items
Televisions (LIMIT 2 per vehicle) Computers (laptops, PCs, tablets) Monitors Keyboards Electronic Mice Modems / Hard Drives Typewriters/Word Processors Copy/Fax/Scanner Machines Floppies, CDs, DVDs Cords & Cables (power, USB, etc) UPS (Battery Backups) Printers (laser, ink jet, dot matrix) VCR, DVD, Laser Disc Players Video Game Players Digital Clocks Cameras (all types) Palm Organizers Hand Held Game Devices Joysticks/Game controls	Used Oil / Used Oil Filters Antifreeze / Old Gasoline / Auto Fluids Household Chemicals & Cleaners Solvents / Pool Chemicals Cooking Oil Poisons / Pesticides Paint thinners Aerosol paints Latex & Oil Based Paints & Stains Unwanted Medication (Pills & Liquids) Lawn & Garden Chemicals Liquid & Solid Fertilizers Rechargeable & Lithium Batteries Automotive & Boat Batteries Fluorescent Light bulbs Compact Fluorescent Lights (CFLs) Mercury & Mercury Containing Items Handheld Sized Only: Small Propane Tanks Refrigerants



Please remember that area residents may recycle electronic devices in Peotone on the 1st & 3rd Wednesday of the month from 5pm-7pm at the Peotone Police Dept 208 E. Main St, Peotone

Items NOT Accepted for Drop Off

VHS / Cassette Tapes Smoke Detectors Carbon Monoxide Detectors Dehumidifiers Air Conditioners Appliances Alkaline Batteries Tires	Ammunition Fireworks/Explosives Fire Extinguishers Sharps/Syringes Medical Waste Controlled Medication Controlled Substances Radioactive Material	Gas Cylinders (except small handheld propane) Refrigerants (except small handheld size) Household Garbage Business Waste Institutional Waste Empty Containers Traditional Recyclables
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Will County Appointment system has been implemented in an effort to improve resident wait times and service at events.



Will County 2019 Spring Events



Event	Location(s)	Dates	Times
 <p><u>Electronics and Household Hazardous Waste Collection Event</u> (2 TV limit) RESIDENTIAL ONLY <i>Appointment Required</i></p>	<p>Bolingbrook For location information visit www.WillCountyGreen.com</p>	<p>One Day March 23, 2019</p>	<p>8 a.m. to 3 p.m. Saturday</p>
	<p>Joliet For location information visit www.WillCountyGreen.com</p>	<p>One Day April 13, 2019</p>	
	<p>Monee For location information visit www.WillCountyGreen.com</p>	<p>One Day May 11, 2019</p>	
 <p>Earth Hour – a worldwide event</p>	<p>Celebrate Energy by conserving some for one hour! Turn off all lights for an hour.</p>	<p>One Hour March 30, 2019</p>	<p>8:30pm-9:30pm</p>
 <p>Earth Day Photo Contest</p>	<p>Chance to win a refurbished iPad. See website for details.</p>	<p>Enter by April 22</p>	<p>Enter anytime</p>
 <p>Medication Take-Back (DEA Spring Collection)</p>	<p>Multiple Police Departments http://tinyurl.com/zehej65 Input your zip code for location</p>	<p>One Day April 27, 2019</p>	<p>10 a.m. to 2 p.m. Saturday</p>
 <p><u>Textile Collection</u> Sheets, towels, clothes, hats, gloves, all pairs of shoes, including gym shoes(Tie or band together)</p>	<p>Will County Office Building 302 N Chicago Street Joliet, IL 60432 WJOL's Scott Slocum on Friday, 5:30-9:00am</p>	<p>One Week April 29 -May 3 2019</p>	<p>8:30 a.m. to 4:30 p.m. Mon-Friday</p>
 <p><u>Bluestem Earth Fair</u> Displays and Activities about the environment <i>A variety of demonstrations</i></p>	<p>University of St. Francis Joliet, IL 60435 www.bluestemearthfestival.com/ <i>Shredding in the morning 9-12</i></p>	<p>One Day May 18, 2019</p>	<p>10 a.m. to 3 p.m. Saturday</p>
 <p><u>Book Reuse & Recycling</u> All types of books – hardcover, soft cover, magazine collections <i>Please keep Educational Books separate for charity</i></p>	<p>Joliet Park District's Pilcher Park - Nature Center 2501 Highland Park Drive Joliet, IL 60432</p>	<p>3 Days May 31 - June 2 2019</p>	<p>9 am – 4 pm Friday Saturday Sunday</p>



Find more events and recycling opportunities at www.willcountygreen.com; become a fan on Facebook or follow us on Twitter for timely updates.

Year round Electronic Recycling Drop-Off Options (2 TV limit and ID required):

<p>City of Lockport – Public Works 17112 Prime Blvd. Lockport Tuesday & Friday 6am-11am Only</p>	<p>Frankfort Township 11000 W. Lincoln Hwy. Frankfort 2nd & 4th Tuesday of the month, 5pm-7pm</p>	<p>Village of Peotone – Police Department 208 E. Main St. Peotone 1st & 3rd Wednesday of the month, 5pm-7pm</p>	<p>City of Wilmington 1165 S. Water St. Wilmington 2nd & 4th Thursday of the month, 5pm-7pm</p>
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For those unable to bring electronic items to our drop-off sites, there is a service through A-Team Recyclers for a fee of \$40 per TV. 815-630-4308



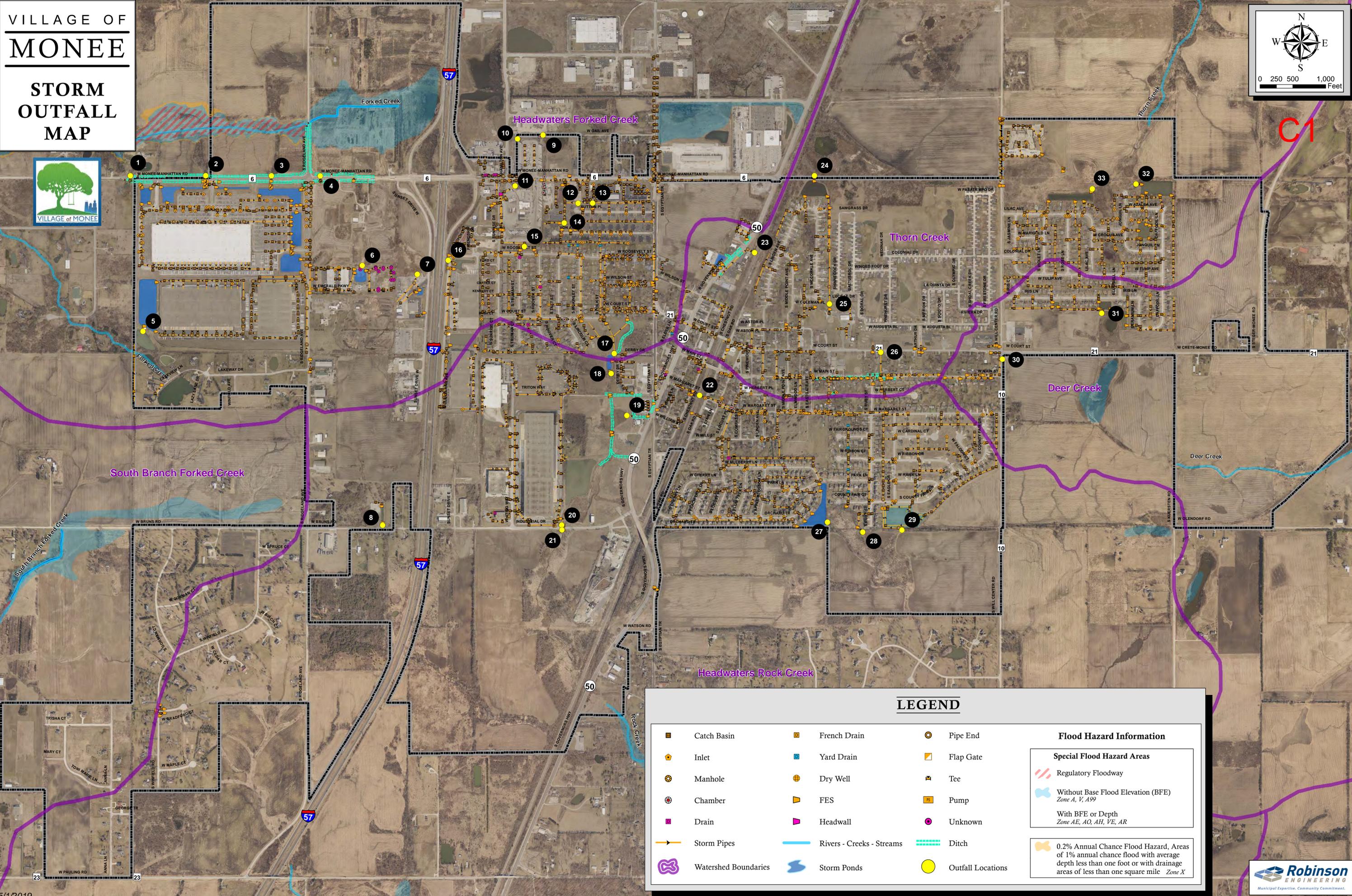
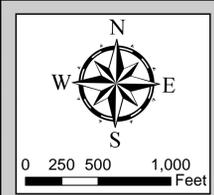
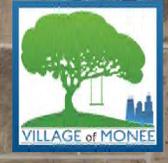
Recycling is important!
It can save energy, water,
and precious natural resources.



Every April, we celebrate Earth Day! It reminds us that this is the only planet we have and we need to take good care of it!

VILLAGE OF MONEE

STORM OUTFALL MAP



LEGEND

- | | | | | | |
|--|----------------------|--|---------------------------|--|-------------------|
| | Catch Basin | | French Drain | | Pipe End |
| | Inlet | | Yard Drain | | Flap Gate |
| | Manhole | | Dry Well | | Tee |
| | Chamber | | FES | | Pump |
| | Drain | | Headwall | | Unknown |
| | Storm Pipes | | Rivers - Creeks - Streams | | Ditch |
| | Watershed Boundaries | | Storm Ponds | | Outfall Locations |

Flood Hazard Information

- Special Flood Hazard Areas**
- Regulatory Floodway
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X



OUTFALL INSPECTION (DRY WEATHER SCREENING)

Section 1: Background Data

Dry Weather Inspections are to be performed at least 72 hours after any rainfall has occurred

Pond / Watercourse Name:		Structure / ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.):	Last 72 hours:	Last 96 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Commercial		<input type="checkbox"/> Residential	
<input type="checkbox"/> Open Space		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other: _____		Known Industries: _____	
Notes (eg., origin of outfall, if known):			

Section 2: Outfall / Location Description

TYPE	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input type="checkbox"/> Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Flared End <input type="checkbox"/> Concrete Headwall <input type="checkbox"/> Pipe <input type="checkbox"/> Concrete Slope Wall <input type="checkbox"/> Other: _____	Diameter / Dimensions: In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Manhole / Catch Basin / Inlet	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____		
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Concrete channel <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No		<i>If No, skip to Section 4</i>	
Flow Description (If present)	<input type="checkbox"/> Trickle Depth of Flow: _____ (in.)			

Section 3: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the Flow? Yes No

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Sulfide <input type="checkbox"/> Other <input type="checkbox"/> Petroleum/gas	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2-Easily Detected	<input type="checkbox"/> 3-Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2-Clearly Visible in Sample Bottle	<input type="checkbox"/> 3-Clearly Visible in Outfall Flow
Turbidity	<input type="checkbox"/>	See Severity	<input type="checkbox"/> 1-Slight Cloudy	<input type="checkbox"/> 2-Cloudy	<input type="checkbox"/> 3-Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Few /Slight; Origin not Obvious	<input type="checkbox"/> 2-Some; Indication of Origin (e.g. possible suds or oil sheen)	<input type="checkbox"/> 3-Some; Origin Clear (e.g. obvious oil sheen, suds or floating sanitary)

Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are Any Physical Indicators Present in the Flow? Yes No

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor Pool Quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Algae	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	



STREAM MONITORING

Section 1: Background Data

Watercourse Name:		Structure / ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.):	Last 72 hours:	Last 96 hours:
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Commercial		<input type="checkbox"/> Residential	
<input type="checkbox"/> Open Space		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other: _____		Known Industries: _____	
Notes:			

Section 2: Location Description

REGULATORY FLOODPLAIN	SIDE SLOPE	SHAPE	DIMENSIONS (IN.)	OUTFALLS IN AREA
<input type="checkbox"/> Zone A	<input type="checkbox"/> Concrete channel	<input type="checkbox"/> Trapezoid	Width of open water:	<input type="checkbox"/> Yes
<input type="checkbox"/> Zone AE	<input type="checkbox"/> Earthen	<input type="checkbox"/> Parabolic		<input type="checkbox"/> No
<input type="checkbox"/> Floodway	<input type="checkbox"/> Rip-rap	<input type="checkbox"/> Other: _____		
<input type="checkbox"/> Shaded Zone X	<input type="checkbox"/> Other: _____			
<input type="checkbox"/> N/A	<input type="checkbox"/>			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No		<i>If No, skip to Section 4</i>	
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Depth of Flow: _____ (in.)			

Section 3: Physical Indicators for Flowing Streams Only

Are Any Physical Indicators Present in the Flow? | Yes | No

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/Sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2-Easily Detected	<input type="checkbox"/> 3-Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2-Clearly Visible in Sample Bottle	<input type="checkbox"/> 3-Clearly Visible in Flow
Turbidity	<input type="checkbox"/>	See Severity	<input type="checkbox"/> 1-Slight Cloudy	<input type="checkbox"/> 2-Cloudy	<input type="checkbox"/> 3-Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	1-Few /Slight; <input type="checkbox"/> Origin not Obvious	2-Some; Indication of <input type="checkbox"/> Origin (e.g. possible suds or oil sheen)	3-Some; Origin Clear (e.g. <input type="checkbox"/> obvious oil sheen, suds or floating sanitary)

Section 4: Physical Indicators for Both Flowing and Non-Flowing Streams

Are Any Physical Indicators Present in the Flow? | Yes | No

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Side Slope Erosion	<input type="checkbox"/>	<input type="checkbox"/> Hydraulic Action <input type="checkbox"/> Attrition <input type="checkbox"/> Abrasion <input type="checkbox"/> Solution	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor Pool Quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Algae	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	





Geoff Aggen, PE
 Direct Line: (815) 464-2664
 Email: gaggen@reltd.com

April 22, 2019

Project 17-T0609

Ms. Shannon Kruzal
 Building Department
 Village of Monee
 5130 W. Court Street
 Monee, IL 60449

RE: Thorntons
 Northeast Corner of Monee-Manhattan and Ridgeland
 Monee, Illinois
 Final Engineering Review #2

Dear Shannon:

As directed, we have performed a review of the Engineering Plans (dated 03/20/19) and Stormwater Management Report (dated 03/20/19) both prepared by Kimley-Horn and Associates as well as the photometric plan (dated 03/20/19) prepared by Red Leonard Associates for the above referenced project. (Please note that we did not review the floodplain analysis (already approved by the IDNR), signage information, or the landscaping plan.) Plan mark ups were provided to the design engineer on April 12th and the majority of the comments were subsequently discussed with the design engineer on April 18th. Specifically, we offer the following comments to supplement the mark ups:

General

1. Please note that the following approvals/sign offs/concurrence from outside agencies are required and should be forwarded upon receipt:
 - IEPA water permit
 - Will County Division of Transportation (WCDOT) for the improvements associated with Monee-Manhattan Road right-of-way. (Please note that our office did not review the improvements proposed within the Monee-Manhattan Road right-of-way as it is under the jurisdiction of the WCDOT.)
 - Aqua Illinois for the improvements associated with the sanitary sewer improvements. (Please note that our office did not review the proposed sanitary sewer improvements since they are under the jurisdiction of Aqua Illinois.) If the population equivalent (PE) is 15 or greater, an IEPA sanitary permit will be required which should also be forwarded upon receipt.
 - Monee Fire Protection District
 - IEPA ILR10 permit since the project will disturb an area greater the one (1) acre.
 - The various pipeline companies as well as the various other utility companies within the vicinity of the proposed construction and roadway widening.

The design engineer has acknowledged that these will be provided upon receipt.

2. Permits and approvals from all other entities outside of the Village are the responsibility of the owner and/or their consultant(s), including but not limited to the State Fire Marshall and those listed above.
3. As previously noted above, an ILR10 permit will be required from the IEPA. No construction activities shall begin prior to receipt of an IEPA approval date as posted on the IEPA website. In addition, the owner and contractor/subcontractor certifications added to Plan Sheet C4.1 shall be executed

accordingly (including signatures from each subcontractor) and provided to the Village Building Department. Also, it will be the developer's responsibility to perform or have performed the erosion control inspections required by the IEPA. The inspection reports should be provided to the Village on a monthly basis by the last Friday of each month.

4. A FEMA Map revision will be required. The design engineer has acknowledged that this will be provided upon completion of construction.
5. An Engineer's Opinion of Probable Cost of Construction (EOPCC) shall be provided for costs associated with the sediment and erosion control items for the entire project so that the project guarantee amount can be established per Article 12 of the Village of Monee Stormwater Management Ordinance (VMSMO). EOPCC shall also include items associated with all public infrastructure improvements being constructed as part of the development. The guarantee shall be in the amount equal to 110% of the EOPCC amount.
6. Record Drawings signed and sealed by a professional engineer or professional land surveyor shall be submitted for all public utilities (including street lights) per Section 12-4-3 of the Monee Village Code (Village Code) upon completion of construction. CAD files should also be forwarded. The design engineer indicated that these will be provided in the future.
7. Stormwater easements shall be provided according to Section 205.2 of the Village of Monee Stormwater Management Ordinance (VMSMO). Easement should be provided to cover the detention facility, drainageway along the western portion of the site (including the box culverts), storm sewer from End Section #D24 to End Section #D20, and overland flood routing paths. The design engineer has indicated that these will be provided under separate cover.
8. The photometric plan indicates that the 3.0 ft.-candles is exceeded along portions of the south property line. The plan should be revised accordingly.
9. The owner will be responsible for maintenance of the storm water facilities according to the maintenance plan provided by the applicant.
10. The Stormwater Pollution Prevention Plan (SWPPP) should be submitted.

Title Sheet – Plan Sheet C0.0

11. The project address should be revised both in the main project title on the coversheet and in the titleblock of each plan sheet accordingly to read 25451 S. Ridgeland Avenue.

General Notes – Plan Sheet C1.0

12. Paving Notes 4.2 and 4.3 should specify the Prime Coat rate of 0.25 lb/ft² and Tack Coat rate of 0.025 lb/ft² accordingly per Section 406.05 of the Standard Specifications. Also, Water Main Note 6 should be updated to indicate a 6" plain end shoe rather than the 5" plain end shoe indicated.

Typical Cross Sections – Plan Sheet C1.1

13. For Callout #5, 2' wide strip reflective crack control is sufficient for Ridgeland Avenue. However, Note #3 should be revised to begin with "The existing east 3' of pavement in the vicinity of the.....". Also, the words "the proposed 2" should be inserted between the words "with" and "hot-mix" in the last sentence of Note #3. Callout #5 should include a reference to see Note #3.

Existing Conditions and Demolition – Plan Sheet C2.0

14. The linework for the existing curb, storm sewer, etc. was shown on the original submittal, but was not indicated with this submittal and should be shown accordingly. Also, the two (2) southern storm inlets along Ridgeland Avenue are still shown to be relocated rather than removed and replaced.
15. The cables/conduits from the engineering plans prepared by KLOA that were provided with the prior review letter needs to be added to the engineering plans. These lines have been hit multiple times by contractors recently performing work in the area so it is important that they are shown.

16. We understand that the design engineer may be planning on locating the existing curb improvements in the field to verify the as-built location. If this is the case the other existing improvements (including but not limited to streetlights, fire hydrants, valves, etc.) should be located, indicated on the plan, and proposed to be relocated (or adjusted) accordingly.

Site Plan – Plan Sheet C3.0

17. The Existing Conditions and Demolition Plan indicates that the existing street light near Station 40+20 along Ridgeland Avenue should be relocated. Along with the relocation of the streetlight, the electric conduit/wires also need to be relocated behind the proposed curb and gutter. Also, please note that a recent field visit revealed that the existing streetlight located near Station 37+20 may also need to be relocated as it may be prone to being hit by trucks turning north on Ridgeland Avenue from westbound Monee-Manhattan Road once the roadway widening is complete. (This light pole should be located along with the other improvements per the previous comment.) The photometrics should also be reviewed for the relocated streetlight to verify that Table 3 (Lighting Design Criteria for Streets) from the Illuminating Engineering Society (IES) RP-8-14 Guide is met. The specifications for the various lighting improvements should be included in the plans. It was noted in the resubmittal letter that this streetlight is being coordinated with SPACECO with their design of the property to the north, but it should be noted that the bases, poles, and wires proposed by SPACECO are already installed in the field as can be seen in the pictures emailed to the design engineer on April 19th.
18. The proposed 100-year BFE should be indicated on this plan sheet as well as on the other plan sheets noted in the mark ups emailed on April 12, 2019.
19. The wetland buffers should be indicated accordingly as previously requested.
20. The lane width for the right turn lane should be 12' wide from the inside striping to the edge of pavement. The dimension should be revised accordingly.
21. We understand that the design engineer has indicated that the placement of the hot-mix asphalt surface course and striping is being coordinated with the BR4 developer. It is recommended that the Ridgeland Avenue hot-mix asphalt proposed as part of the separate BR4 development be placed by the BR4 developers according to their original plan/schedule, but temporary striping be utilized by the BR4 developers within the limits of the Ridgeland Avenue improvements associated with the proposed Thorntons development where restriping would otherwise be required by Thorntons.
22. It appears that it is intended for trucks to access the fuel area/site from Ridgeland Avenue, but it is not certain if they can make the turning movements to access the fuel pumps and parking area. An Auto Turn or similar modeling should be provided for a truck accessing the fuel pumps from the Ridgeland Avenue entrance.
23. Callouts for "6, 21, 22, 23, 33, & 38" listed in the legend are not shown in the plan. The design engineer indicated that some of these items are typical Thorntons items and are under review by Thorntons. They will remove if necessary, following the Thorntons review.
24. The various plan sheet references in the Paving and Curb Legend and Key Notes should be revised according to the mark ups emailed on April 12, 2019.
25. It was suggested by Village Staff to consider angling the passenger vehicle pumps in a southeast to northwest orientation to improve access for larger vehicles with trailers.

Ridgeland Avenue Improvements – Plan Sheet C3.1 (New Plan Sheet)

26. Raised reflective pavement markers should be added as well as specific callouts for the thermoplastic pavement markings (color, size, etc.) according to IDOT Standard TC-13. The dimensions and tapers for all lanes should be label accordingly, including the lane widths for each lane at the 5-lane area near Station 39+00.
27. The left hand turn lane into the passenger vehicle entrance should be striped similar to the exhibit sent with the previous March 1, 2019 review letter.

Erosion Control Plan – Plan Sheet C4.0

28. It should be verified that the velocities at the box culverts don't warrant additional erosion control protection such as rip rap at the end sections.

Grading Plan – Plan Sheet C5.0

29. The markups indicated on the engineering plans that were emailed to the design engineer on April 12, 2019 and discussed with the design engineer on April 18, 2019 should be addressed accordingly. Many of these comments are a result of plan/grading revisions we understand were implemented to help the earthwork balance. Specifically, here are a few of the comments/items associated with the grading plan we would like to note:

- a. The grades along Ridgeland Avenue should be coordinated with the SpaceCo plans accordingly as noted on the marked up Cross-Section Plan Sheet C8.3 and discussed with the design engineer. It would be preferred if the proposed grades were based upon field topography of the as-built curb (see prior Comment #16).
- b. Additional grading information should be provided in the vicinity of the northern Ridgeland Avenue driveway to verify that positive drainage is provided. An additional inlet may be required as discussed with the design engineer.
- c. The design engineer indicated that the 100-year storm sewer linework would be added along with the flood routing arrows to clearly show how the 100-year flows reach the detention facility in areas where overland flood routing is not provided.
- d. A 1' (minimum) berm should be provided along the south property line of the proposed outlet to ensure that unrestricted flow does not leave the site.
- e. The ridgeline located within the northern driveway should be revised higher to prevent unrestricted flow from the site.
- f. The rim grades at various low points throughout the site are lower than the detention facility high water elevation.
- g. The existing culvert near the Monee-Manhattan Road entrance should be shown. This culvert may need to be extended north (and proposed contours updated accordingly) to alleviate the steep grading transition proposed between the western curb return and culvert invert. (These improvements are within the Will County Highway right-of-way and are recommendations).
- h. We understand that the proposed grading in the vicinity of the CAT Scale will be revised and a detail provided.

Utility Plan – Plan Sheet C6.0 & C6.1

30. The markups indicated on the engineering plans that were emailed to the design engineer on April 12, 2019 and discussed with the design engineer on April 18, 2019 should be addressed accordingly. Specifically, here are a few of the comments/items associated with the utility plan we would like to note:
- a. The proposed site lighting information has been added to this plan set. The proposed light on the north side of the northern Ridgeland Avenue driveway will conflict with the proposed box culvert. Also, the proposed lights on the south side of the project may conflict with the proposed 16" water main. At least 5' of horizontal separation should be provided to the proposed water main. The plans should be revised accordingly.
 - b. A new structure sized to properly accommodate the proposed storm sewer should be provided downstream of proposed storm Structure D61 where the sewer will connect to the existing storm sewer. Also, as previously mentioned above, an additional inlet may be required in the Ridgeland Avenue curb on the north side of the proposed northern driveway.
 - c. The storm sewer runs which are sized to convey the 100-year flows should be indicated on the utility plan (Runs/network D7-D3 and D24-D20). The storm sewer should be sized to accommodate the 100-year flows within the pipe. The plans should be revised accordingly.

- d. The fire hydrant proposed to be relocated near 40+00 is within an area previously flagged by BP Pipelines of concern due to their existing cathodic protection unit. (See attached BP Pipelines letter dated 09/06/18 previously forwarded with the last review). The fire hydrant should be relocated south of the southern entrance in a manner that meets both BP Pipelines and Village requirements as previously requested.
- e. The proposed connection between D23 and the existing field tile should be indicated. The existing culvert across Monee-Manhattan Road near Station 106+88 should also be indicated.
- f. A callout/dimension should be provided indicating 10' horizontal separation between the sanitary sewer, water main, and storm sewer.
- g. The Village will not require a separate meter pit for the water service near the 16" water main.
- h. As previously requested, water valves and fire hydrants should be added to the plans accordingly. The valve spacing along the 16" water main should be 500' (the Village has specifically requested a valve be provided at least on either side of the proposed water service as well as at the east end of the water main.) The fire hydrant spacing along the 16" water main should be every 300'. A fire hydrant will need to be provided at the east end of the water main for flushing purposes.
- i. An easement should be provided along the water/fire protection service pipe to allow Village access to the b-box. The water and storm sewer along the north side of the south property line should be covered with one (1) easement to the Village of Monee and extend south to the right-of-way line.
- j. As previously noted in the Grading Plan Comments above, there are various storm inlets with rim grades lower than the detention facility high water elevation.
- k. The various tables and utility crossing legend mark ups should be reviewed as discussed with the design engineer and the plans revised accordingly.
- l. The elevations/design of the Outlet Control Structure (OCS) and detention pond equalizer pipe should be revised accordingly to match the calculations as previously noted.
- m. Inlet capacity calculations for structures D7, D21, D22, and D23 should meet the 100-year requirements.
- n. A sign is proposed in the vicinity of the Monee-Manhattan Road driveway that is in the vicinity of the proposed storm sewer and water main. At least 5' horizontal separation should be provided between the sign and the proposed municipal utilities.
- o. We understand based upon our conversation with the design engineer that the water service configuration on the north side of the building is currently being updated, the revisions will be shown on the revised plans, and will meet the Illinois Department of Public Health (IDPH) requirements (Plan Sheet C6.1).
- p. The proposed fire hydrant lead at the southwest corner of the proposed building is 10' long. We understand that the IDPH maximum length for a fire hydrant lead is 2', but they may allow up to 5'. This length should be verified with the IDPH by the applicant (Plan Sheet C6.1).
- q. The intent of the ¾" water service to the canopy should be explained. There are concerns associated with runoff since a grease separator/triple basin are not provided.

Construction Details – Plan Sheets 7.0-7.8

31. The various details should be revised according to the mark ups previously provided to the design engineer.

Ridgeland Ave. Cross-Sections – Plan Sheet 8.3

32. The curb width within the various cross-sections should match the actual proposed width and the cross-sections revised accordingly as noted in the above Grading Plan comment.

Stormwater Management Report and Information

33. Inundation map should be provided.
34. The HydroCAD model is using a Tc of 23.7 minutes for the 2.6-acre offsite area, and the storm sewer calculations are using a Tc of 43.6 minutes. Please explain or reconcile.
35. On Sheet C5.0, revise pond data label to include: 1) pond bottom elevation, 2) pond NWL, 3) pond HWL, 4) required detention storage volume, 5) provided detention volume, 6) required extended detention volume, 7) provided extended detention volume, 8) extended volume provided below elevation xxx.xx, 9) top of bank elevation.
36. On Sheet C6.0, FES Structure D1 has a proposed invert of 774.0' which is above the proposed restrictor elevation and NWL of 773.65'. It is assumed the extended detention is to be provided BELOW elevation 773.65 between this elevation and the pond bottom of 773.00'. An outlet invert at D1 of 774.0' would make that elevation the NWL which is not per the stormwater calculations. Please rectify.
37. The proposed equalizer pipe elevation between the two pond cells is too high and needs to be lowered to the proposed NWL of 773.65' to access all pond detention volume as per the hydrologic modeling. Please rectify.
38. Structure D5 is lower than the proposed pond HWL by 0.76' and can result in unacceptable release toward Ridgeland Avenue. Please rectify.
39. On Sheet C5.2, Section A-A indicates a proposed parking lot top-of-curb grade of 778.61 that is not reflected anywhere in the plan. Please rectify.

This review is only for general conformance with the design criteria established by the Village and is subject to both the completeness of the information submitted by the developer's professional staff and also the actual ability of the plan to perform in accordance with its intent. Actual field conditions may vary and additional items may arise which are not readily apparent based on the content of the information provided in this submittal. The developer's design professionals are responsible for performing and checking all design computations, dimensions, and details relating to design, construction, compliance with all applicable codes and regulations, and obtaining all permits. Additionally, other bodies of government may have jurisdiction over various aspects of this development. The developer should be advised that additional measures may be required based on actual field conditions and formal approvals of the other agencies.

Please note that this review does not include all site & landscaping issues as per the zoning Ordinance such as building setbacks, lot coverage, parking dimensions, photometrics, etc. and the applicant shall refer to the Village Staff and other Village designees for a complete review of such issues.

Should you have any questions or require any further information, please feel free to contact me at (815) 464-2664. At the time of resubmittal of this project, we request that the applicant include a disposition letter responding to each comment listed, as well as reference to revision on plan sheet or calculation (where applicable).

Very truly yours,

TYSON ENGINEERING, INC.



Geoff Aggen, PE
Project Engineer

/ga

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cc: Mr. Dave Wallace, Village of Monee (via email)
Mr. DJ Kruzel, Village of Monee (via email)
Mr. Kevin Daly, Village of Monee (via email)
Mr. Eric Tracy, Kimley-Horn (via email)

STORMWATER POLLUTION PREVENTION PLAN

NEC of S. Ridgeland Avenue and W. Monee-Manhattan Road

Monee, IL

Prepared By:

Kimley-Horn and Associates, Inc.

1001 Warrenville Road, Suite 350

Lisle, Illinois 60532

Contact: Eric J. Tracy, P.E.

November 2018

TABLE OF CONTENTS

<i>Storm Water Pollution Prevention Plan</i>	02
<i>Site Description</i>	03
<i>General Soil Disturbing Activities</i>	03
<i>Construction Sequence</i>	04
<i>Construction Phase Best Management Practices</i>	04
<i>Soil Stabilization</i>	05
<i>Erosion and Sediment Controls</i>	05
<i>Stormwater Management Controls</i>	06
<i>Waste Disposal</i>	06
<i>Maintenance Plan</i>	07
<i>Materials Management Practices</i>	08
<i>Inspections</i>	09
<i>Final Maintenance</i>	10

ATTACHMENTS

<i>Attachment 1. SWPPP Preparation Certification Form</i>
<i>Attachment 2. Owner's Certification Form</i>
<i>Attachment 3. Contractor's Certification Form</i>
<i>Attachment 4. Aerial Exhibit</i>
<i>Attachment 5. Location Map</i>
<i>Attachment 6. USGS Map</i>
<i>Attachment 7. NRCS Soil Report</i>
<i>Attachment 8. C3.0 – C3.1 – Erosion Control Plan and Details</i>
<i>Attachment 9. C4.0 – Grading Plan</i>
<i>Attachment 10. BMP Installation Log</i>
<i>Attachment 11. Amendment Log</i>

EROSION CONTROL SCHEDULE AND SEQUENCING:

- I. ROUGH GRADING PROTECTION: CONSTRUCTION ENTRANCE/EXIT, SILT FENCE PROTECTION, CONCRETE WASHOUT AREA AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING. AS NEEDED, TEMPORARY EROSION CONTROL MEASURES TO BE INSTALLED UPON COMPLETION OF ROUGH GRADING AND AS NECESSARY THROUGHOUT CONSTRUCTION.
- II. UTILITY INSTALLATION: ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION. STORM STRUCTURE INLET PROTECTION SHALL BE INSTALLED AS STORM DRAINAGE SYSTEM IS CONSTRUCTED.
- III. PAVING: ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
- IV. FINAL GRADING/STABILIZATION/LANDSCAPING: ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE LOCAL MUNICIPALITY.

EROSION CONTROL LEGEND

	(TS) TEMPORARY SEEDING (SEE EROSION CONTROL DETAILS)
	(TB) TEMPORARY EROSION CONTROL BLANKET (SEE EROSION CONTROL NOTE #7)
	(CE) CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)
	(SF) SILT FENCE (SEE EROSION CONTROL DETAILS)
	(IP) INLET PROTECTION (SEE EROSION CONTROL DETAILS)
	(CW) CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
	(RR) RIP RAP (SEE DETAILS)
	(FE) FLARED END SECTION PROTECTION (SEE EROSION CONTROL DETAILS)
	(SS) TEMPORARY SOIL STOCKPILE
	(LD) LIMITS OF DISTURBANCE
	--- EXISTING CONTOURS
	--- PROPOSED CONTOURS

Call Before You Dig

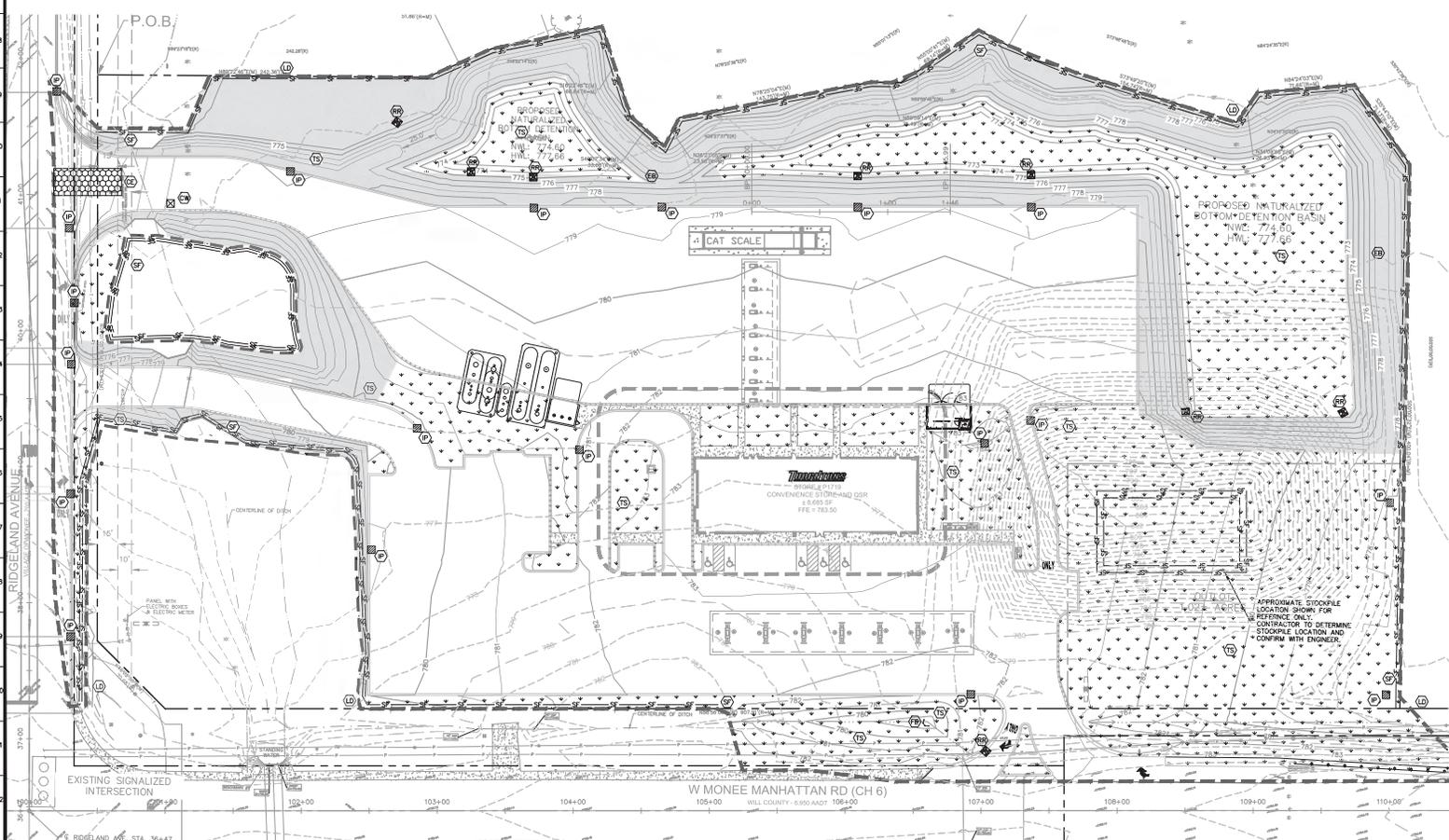
 1-800-892-0123

GRAPHIC SCALE IN FEET
 0 20 40 80

D4

EROSION CONTROL NOTES

1. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF DISTURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO CONCLUDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
2. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
3. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AS THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
4. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE, SILT FENCES LOCATED AT TOP OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
5. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
6. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR EROSION CONTROL MEASURES FROM THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST, OR PROJECT SUPERVISOR. APPROPRIATE MAJOR REVISIONS MUST BE APPROVED BY THE PLANNING AND DEVELOPMENT DEPARTMENT AND THE DRAINAGE UTILITY DEPARTMENT. MINOR CHANGES OR ADDITIONAL CONTROL MEASURES TO BE MADE AS NECESSARY DURING THE COURSE OF CONSTRUCTION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR. CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT CONTROL INADEQUACIES AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S1080N OR APPROVED EQUAL) ON ALL SITE AREA WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
8. PRIOR TO FINAL ACCEPTANCE, HALL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SOIL DISPOSAL SITE.
9. PERMANENT FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
10. ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER ROLLS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROLS WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
11. ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGEWAYS, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSURE OF UNDERLYING SOILS SHALL BE REVEGETATED. STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE EXPOSURE. STABILIZATION SHALL BE SUBJECT TO ALL LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. REASONABLE EFFORTS MUST BE MADE TO OBTAIN ACCESS. IF ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY. IF NO MORE ACCESS IS OBTAINABLE, CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AUTHORITIES AND RECORDING THE APPLICABLE PERMITS PRIOR TO CONDUCTING ANY WORK.
12. ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE PAVED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY THE APPROPRIATE MANAGEMENT PRACTICES LIKE A DESIGNATED SITE EXIT WITH AN AGGREGATE SURFACE OR DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SEPARING IF YOUR PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE.
13. SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
14. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IDPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
15. PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
16. SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER. IF STOCKPILES ARE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OR ADMINISTRATOR.
17. STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE PROVIDED WITH SEED MEASURES. MATERIAL IS TO BE HAULED OFF IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
18. ALL TEMPORARY SEED MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TRACKING AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
19. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEVICES OR FROM EXCAVATIONS MUST FIRST PASS THROUGH SEDIMENT CONTROL AND/OR FILTRATION DEVICE, WHEN DRAINAGEWAY DEVICES ARE USED. DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
20. SITE STABILIZATION REQUIREMENTS ARE AS FOLLOWS:
 - 20.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE ZILL DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES, STABILIZATION MEASURES SHALL BE PRECLUDED BY SNOW COVER. STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 20.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. WHERE CONSTRUCTION OF A PERIODIC PAVEMENT REPAIR IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE ZILL DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASES.
21. UNLESS OTHERWISE SPECIFIED, ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE ACCESS ON THE PLANS.



Scale: AS NOTED
 Designed BY: RRS
 Drawn BY: RRS
 Checked BY: LIT
 KIMLEY-HORN & ASSOCIATES, INC.
 1001 WASHINGTON AVENUE, SUITE 300
 MINNEAPOLIS, MN 55402-1000
 PHONE: 612-347-0000
 WWW.KIMLEY-HORN.COM
 THORNTONS
 EROSION CONTROL PLAN
 THORNTONS
 MONTEMANHATTAN ROAD
 & S RIDGELAND AVENUE
 ORIGINAL ISSUE: 01/11/18
 KHA PROJECT NO: 168281050
 SHEET NUMBER: C4.0



STORMWATER CONSTRUCTION SITE INSPECTION

General Information			
Project Name			
NPDES Tracking No.		Location	
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Phone & Email			
Inspector's Qualifications			
Describe present phase of construction:			
Provide location of onsite SWPPP:			
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other: _____ Temperature: _____			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	



	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
11		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
17		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	



	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of corrective action and non-compliance not described above:

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Name: _____

Title: _____

Signature: _____

Date: _____

NPDES Site Observation Report for ILR10

General Information		
Project Name	Monee Spec III Building	Approximate Acreage: 14.5
Operator/Contractor	Northern Builders, Inc.	Project No.:
Site Location	Monee, Will County, IL	
Date of Site Visit	2/25/19	NPDES Permit No. ILR107308
Observer's Name & Title	Jonathan Bouck	
Construction phase(s) at time of visit	<input type="checkbox"/> Mobilization <input type="checkbox"/> BMP Installation <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Paving <input type="checkbox"/> Mass Grading <input checked="" type="checkbox"/> Other: <i>Frozen Storm Sewer</i>	
Type of Site Visit:		
<input type="checkbox"/> Routine <input type="checkbox"/> Post-Storm Event <input type="checkbox"/> Other: _____		
Weather Information		
Estimated end date of most recent $\geq 0.5"$ rain event:		
Site Observations – Describe Location and Recommend Corrective Measures on Back Page		

	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
3	Has the SWPPP been updated to reflect the current conditions on site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
4	Are outlets protected/stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
5	Have stormwater management systems been constructed, stabilized, and verified to be functioning appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
7	Are storm drain inlets adequately protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
8	Have all idle, disturbed areas been temporarily stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
10	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
12	Are non-stormwater discharges (e.g., dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other potential pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
15	Are stabilized entrances installed and are adjacent roads clear of sediment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
	Other, based on site conditions:	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A

NPDES Site Observation Report for ILR10

General Information		
Project Name	Bailly Ridge 4 (BR-4)	Approximate Acreage: 61
Operator	Spaceco	Project No.: 1609961
Project Location	25101 S. Ridgeland Ave. Monee IL	
Date of Site Visit	January 2019	NPDES Permit No. ILR10Z790
Observer's Name(s) & Title(s)	Doug Brucato Superintendent	
Construction phase(s) at time of visit – Caulking and grouting panels. Start steel erection.	<input type="checkbox"/> Pre-Construction	<input type="checkbox"/> Land Development
	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Roadway Construction
	<input type="checkbox"/> Post Construction	<input type="checkbox"/> Other:
Type of Site Visit:	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-Storm Event <input type="checkbox"/> Other:	
Weather Information		
Estimated end date of most recent ≥ 0.5 " rain event (or equivalent snowfall):		
Site Observations – Describe Location and Recommend Corrective Measures on Back Page		

No.	BMP/ Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
3	Has the SWPPP been updated to reflect the current conditions on site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
4	Are outlets protected/stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
5	Have stormwater management systems been constructed, stabilized, and verified to be functioning appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
7	Are storm drain inlets adequately protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirements)?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
10	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
12	Are non-stormwater discharges (e.g., dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other potential pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
15	Are stabilized entrances installed and are adjacent roads clear of sediment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
16	Other, based on site conditions:	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A

No.	Location and Recommended Corrective Measure	Completed/Initial*
2.	None	_____
4.	Site frozen. All work being done on frozen ground.	_____
5.		_____

NPDES Site Observation Report for ILR10

General Information		
Project Name	Bailly Ridge 4 (BR-4)	Approximate Acreage: 61
Operator	Spaceco	Project No.: 1609961
Project Location	25101 S. Ridgeland Ave. Monee IL	
Date of Site Visit	February 2019	NPDES Permit No. ILR10Z790
Observer's Name(s) & Title(s)	Doug Brucato Superintendent	
Construction phase(s) at time of visit – Caulking and grouting panels. Continue steel erection steel erection complete	<input type="checkbox"/> Pre-Construction	<input type="checkbox"/> Land Development
	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Roadway Construction
	<input type="checkbox"/> Post Construction	<input type="checkbox"/> Other:
Type of Site Visit:	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Post-Storm Event <input type="checkbox"/> Other:	
Weather Information		
Estimated end date of most recent ≥ 0.5 " rain event (or equivalent snowfall):		
Site Observations – Describe Location and Recommend Corrective Measures on Back Page		

No.	BMP/ Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
3	Has the SWPPP been updated to reflect the current conditions on site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
4	Are outlets protected/stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
5	Have stormwater management systems been constructed, stabilized, and verified to be functioning appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
7	Are storm drain inlets adequately protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirements)?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
10	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
12	Are non-stormwater discharges (e.g., dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other potential pollutants?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
15	Are stabilized entrances installed and are adjacent roads clear of sediment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A
16	Other, based on site conditions:	<input type="checkbox"/> Yes <input type="checkbox"/> Action Item <input type="checkbox"/> N/A

No.	Location and Recommended Corrective Measure	Completed/Initial*
2.	None	_____
4.	Site frozen. All work being done on frozen ground.	_____
5.		_____



STORMWATER FACILITY INSPECTION

General Information			
Location			
NPDES Tracking No.			
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Phone & Email			
Inspector's Qualifications			
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other:		Temperature:	
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at this location.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	



Review of Facility

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls adequately installed (keyed into substrate) and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are drain inlets clear of sediment?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Is there litter/trash present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:



STAFF TRAINING

Organization: _____

Trainer's or Instructor's Name(s): _____

Trainer's or Instructor's Title(s): _____

Training Location: _____ Date: _____

Training Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- | | | |
|---|---|---|
| <input type="checkbox"/> Erosion Control BMPs | <input type="checkbox"/> Inspection Procedures | <input type="checkbox"/> Non-Point Source Pollution Control |
| <input type="checkbox"/> Sediment Control BMPs | <input type="checkbox"/> Green Infrastructure | <input type="checkbox"/> Park & Open Space Maintenance |
| <input type="checkbox"/> Equipment Service | <input type="checkbox"/> Snow Disposal | <input type="checkbox"/> Building Maintenance |
| <input type="checkbox"/> Reporting / Documentation | <input type="checkbox"/> Catch Basin and Street Debris Disposal | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Emergency / Spill Procedures | <input type="checkbox"/> Operation of Storage Yards | <input type="checkbox"/> Land Disturbances |
| <input type="checkbox"/> Salt Management | <input type="checkbox"/> Flood Management Projects Impact Water Quality | <input type="checkbox"/> Other: |

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Department
1		
2		
3		
4		
5		
6		

Yard Waste and Branch Pickup



Republic Services Yard Waste Pickup

Republic Services will be picking up yard waste beginning on April 1, and will be picked up the same day as your regular trash and recycling. Yard waste can be placed in either brown kraft paper bags, or in your own containers marked with yard waste stickers. Stickers can be obtained at no charge by calling Republic customer service at 708-385-8252, or at the Monee Village Hall. With regard to yard waste collection, please note the following:

- These containers cannot exceed 35 gallons in size, nor can they weigh in excess of 40 pounds.
- Yard waste in plastic bags is not acceptable.
- Tree branches in excess of two inches in diameter will not be picked up
- Tree branches must be bundled in a maximum of 2 feet in diameter and 4 feet in length, and cannot weigh more than 40 pounds.



Village of Monee Branch Pickup

The Public Works Department will provide branch pickup according to the following schedule:

	April 9-11, 2019 <i>completed</i>
	May 7-9, 2019 <i>completed</i>
	June 11-13, 2019
	July 9-11, 2019
	August 13-15, 2019
	September 17-19, 2019
	October 15-17, 2019
	November 20-22, 2019 (weather permitting)

The Village may also schedule additional pickups as circumstances warrant, such as severe weather events. Please also note the following:

- All scheduled dates are weather permitting, and may be rescheduled as circumstances warrant.
- Branches must be placed curbside for pickup prior to the date of pickup. We do not enter private property to collect branches.
- Cut end of branches should be pointing toward the road.
- Root balls, and branches with excessive dirt will not be collected as this can clog or damage our equipment.
- Grass clippings, weeds, flowers, etc. will not be picked up with branches. These items can be placed in kraft bags or containers for Republic's yard waste pickup.
- Sticks and branches in cans will not be picked up. These cans should be marked as yard waste and picked up by Republic Services.
- Crews picking up branches will not rake debris from parkways. Sticks and branches small enough to be raked can be placed in kraft bags or containers for Republic's yard waste pickup.
- Branch collection is provided as a service to Monee residents maintaining their own property, branches cut or trimmed by contractors will not be picked up.

Contact Us

Public Works

[Email The Department of Public Works](#)

Physical Address

[View Map](#)

5144 W Court Street
Monee, IL 60449

F6

[Directions](#)

Phone: 708-534-8306 

Fax: 708-534-1040 

Emergency: 911

Hours

Monday through Friday
7 a.m. to 3 p.m.

To report a concern after hours, contact
the Laraway Communications Center at

(779) 803-5000 

or

(708) 672-1564 

[Directory](#)

Village of Monee – TMDL Status

According to the 2018 Assessment by the IEPA, none of the assessed waterways within the Village of Monee have an approved TMDL, however, there is a TMDL report in process for watersheds within the Village limits. The following is a summary of information obtained from the Resource Management Mapping Service (www.rmms.illinois.edu/RMMS-JSAPI/) and IEPA Website (<https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>) :

ASSESSED STREAM / WATERSHED				
	Forked Creek & South Branch Forked Creek	Thorn Creek	North Branch Rock Creek	Deer Creek
Location	Within Corporate Limits	Within Corporate Limits	Within Corporate Limits	Within Corporate Limits
HUC 10	0712000117	0712000302	0712000115	0712000115
Assessment ID (AUID)	Not Listed	IL_HBD-03	Not Listed	IL_HBDC
2018 303(d) List / Prioritization (Appendix A-1)	Not Listed	Low	Not Listed	Low
Designated Use (Appendix A-1)	Not Listed	Aquatic Life & Primary Contact Recreation	Not Listed	Primary Contact Recreation
Cause of Impairment (Appendix A-1)	Not Listed	Oxygen, Dissolved & Fecal Coliform	Not Listed	Fecal Coliform
Two Year Schedule for TMDL Development, 2018-2020 (Appendix A-3)	Not Listed	Not Listed	Not Listed	Not Listed
Status (Appendix A-6)	Not Listed	Stage 3	Not Listed	Stage 3
Category 4C – Not caused by pollutants (Appendix A-7)	Not Listed	Not Listed	Not Listed	Not Listed
TMDL Report on Website.	Not Listed	Draft Stage 3 Report (CDM Smith), September 2018	Not Listed	Draft Stage 3 Report (CDM Smith), September 2018
Waters & Impairments Addressed in TMDL Report	Not Listed	<u>TMDL Parameter</u> Dissolved Oxygen, Fecal Coliform	Not Listed	<u>TMDL Parameter</u> Fecal Coliform

What Is a TMDL?

The establishment of a Total Maximum Daily Load sets the pollutant reduction goal necessary to improve impaired waters. It determines the load, or quantity, of any given pollutant that can be allowed in a particular water body. A TMDL must consider all potential sources of pollutants, whether point or nonpoint. It also takes into account a margin of safety, which reflects scientific uncertainty, as well as the effects of seasonal variation.

Why Develop TMDLs?

Section 303(d) of the federal Clean Water Act requires states to identify waters that do not meet applicable water quality standards or do not fully support their designated uses. States are required to submit a prioritized list of impaired waters, known as the 303(d) List, to the U.S. Environmental Protection Agency for review and approval. The CWA also requires that a TMDL be developed for each pollutant of an impaired water body. Illinois EPA is responsible for carrying out the mandates of the Clean Water Act for the state of Illinois.

The TMDL Process

Developing TMDLs in a watershed begins with the collection of vast amounts of data on factors including water quality, point source discharge, precipitation, soils, geology, topography, and land use (construction, agriculture, mining, etc.) within that specific watershed. All impaired water-body segments within the watershed are identified, along with the potential pollutants causing the impairments.

Next, Illinois EPA determines the tools necessary to develop the TMDL. In most cases, computer models are used to calculate pollutant loads. The appropriate model or models are selected based on the pollutants of concern, the amount of data available, and the type of water body. Once the model is selected, the data collected for the watershed are entered, and the model is calibrated and verified so that the computed values match those of known field data. The model can then be used to develop different scenarios, by first determining the amount of specific pollutants each source contributes, then calculating the amount each pollutant needs to be reduced, and finally specifying how the reduced pollutant load would be allocated among the different sources.

After the reduced pollutant loads have been determined, an implementation plan is developed for the watershed spelling out the actions necessary to achieve the goals. The plan specifies limits for point source discharges and recommends best management practices (BMPs) for non-point sources. It also estimates associated costs and lays out a schedule for implementation. Commitment to the implementation plan by the citizens who live and work in the watershed is essential to success in reducing the pollutant loads and improving water quality.

Improved Water Quality

The goal of TMDLs is better water quality for Illinois. Improving lakes, rivers, and streams has a positive impact on the quality and quantity of the fish and animals that depend on these waters for habitat, food, breeding, and survival. This in turn contributes to balanced, healthy ecosystems.

Beyond the ecological benefits, cleaner water increases opportunities for fishing, boating, and other recreational activities and improves the overall appearance of lakes, rivers, and streams. A cleaner source of drinking water can mean lower treatment costs, which may reduce water expenses for local citizens and businesses. Protecting and restoring the quality of Illinois waters is ultimately the responsibility of everyone. The success of a TMDL implementation plan typically depends on the cooperation of those who live and work in the watershed. Citizens can take ownership of their local water bodies by adopting suggested BMPs and encouraging others to do the same. By integrating sound science with public support, TMDLs can be a valuable tool for improving and protecting our precious water resources.

For more information about Illinois' TMDL program, visit: www.epa.state.il.us/water/tmdl