CITY OF EAST MOLINE
Engineering Department

May 1, 2020

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
Municipal Annual Inspection Report
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

RE: NPDES Phase II Annual MS4 Report Permit #ILR400389

To Whom It May Concern:

Please find enclosed a completed and signed Annual Facilities Inspection Report for the City of East Moline's NPDES Phase II permit compliance. This document was prepared after careful review of the City's existing stormwater program, discussion with various municipal employees, renewal of our Notice of Intent submitted to the IEPA previously, the IEPA Facility Inspection of 2017 and subsequent Notice letters, and the City's General Permit for Discharges for Small MS4s (NPDES Permit No. ILR 400330).

The City of East Moline adhered to the Best Management Practices (BMPs) outlined in the Notice of Intent as well as additional BMPs implemented since the NOI was approved. Initiation of goals set for the next reporting year have begun. BMPs started and/or completed during this reporting year and the City's overall stormwater program are now in compliance with the requirements of the NPDES permit.

An electronic version of this report, minus supporting documentation, as well as the Annual Facility Inspection Report has been submitted to the e-mail address indicated on the inspection report form.

If you have any questions regarding the enclosed Annual Inspection Report, please contact me at (309) 751-2310.

Sincerely,

Erica K. Williams
Stormwater Manager

Enclosure

1200 13th AVENUE • EAST MOLINE, ILLINOIS 61244
309-752-1573

CITY OF EAST MOLINE

NPDES PERMIT NO. ILR400330
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

ANNUAL FACILITY INSPECTION REPORT
Reporting Year April 1, 2019 to March 31, 2020

Submitted to:
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Springfield, Illinois

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, 2019 To March, 2020

Permit No. ILR40 0330

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

Name: City of East Moline Mailing Address 1: 1200 13th Avenue

Mailing Address 2: County: Rock Island

City: East Moline State: IL Zip: 61244 Telephone: 309-751-2310

Contact Person: Erica Williams Email Address: ewilliams@eastmoline.com
(Person responsible for Annual Report)

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

City of East Moline

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 ☐
2. Public Participation/Involvement ☐
3. Illicit Discharge Detection & Elimination ☐
4. Construction Site Runoff Control ☐
5. Post-Construction Runoff Control ☐
6. Pollution Prevention/Good Housekeeping ☐

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: Date: 5/1/2020

Tim Kammler Printed Name: Director of Engineering Title:

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

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

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

City of East Moline
Phase II Annual Report
Permit No. ILR400330

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City of East Moline
Phase II Annual Report
Permit No. ILR400330

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A. Changes to Best Management Practices

The new MS4 permit issued in 2016 added language that included creating an inspection plan, in-house and contractor training, website additions, a public meeting, considerations for climate change, and environmental justice areas. The City of East Moline accommodated or is in the process of complying with the additional requirements with details subsequently explained under the appropriate control measure section in Section B of this report. Due to previous IEPA inspection findings and personnel turnover, the City of East Moline did not delete or eliminate any BMPs during the 2019-2020 reporting year, but additions and/or deviations were found or undertaken to achieve the BMPs outlined in the NOI. Explanations can be found within.

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.

A. PUBLIC EDUCATION AND OUTREACH

For the Public Education and Outreach component of the NOI, the City of East Moline committed to completing A.1 Distributed Paper Material, A.2 Speaking Engagements, A.3 Public Service Announcement, A.4 Community Event, A.5 Class Education Material, and A.6 Other Public Education. Each individual task is outlined in the paragraphs below.

A.1 Distributed Paper Material

Neighborhood- wide letters are distributed as dumping, littering, and illicit discharges are discovered. The letters and door hangers are educational in the importance of not polluting our waterways and in teaching the public that the City's street gutters, inlets, ravines, etc. discharge directly to our rivers and how to better manage their waste.

Distributed and website materials include information regarding local watersheds, the storm sewer system, illicit discharges, the pathways contaminates follow to reach our rivers. These additional materials can also be found in Appendix A.

The City has also assembled a stormwater utility brochure for the use and education of all citizens, contractors, developers, etc. The stormwater utility brochures can be found in Appendix A.

The city also uses an "open space" on the monthly water bills to educate the residents regarding sound stormwater practices. An example can be found in appendix A.

A.2 Speaking Engagements

The City of East Moline speaks at the annual Erosion and Sediment Control Conference in conjunction with the Rock Island County Soil and Water Conservation District and

neighboring municipalities. The workshop aims to educate residents, contractors, engineers, and developers on stormwater issues as well as State and City requirements as they pertain to projects and the NPDES, MS4, and CWA. The conference is advertised on many websites, social media, and the local papers. The agenda can be found in Appendix A.

A.3 Public Service Announcement

The City of East Moline posts many public service messages and information pages on its website. Examples can be found in Appendix A.

A.4 Community Event

The City of East Moline participates annually in several community clean up events including neighborhood cleanups and routine littler cleanups. The City actively participates by educating participants and at the neighborhood cleanups, paper materials are available for participants to pick up if they desire. Section B of this report goes into greater detail regarding individual cleanup groups with materials attached in Appendix B.

A.5 Class Educational Material

Educational material as well as fun games are passed out to students K-6. The City also has a children's page on its website. The stormwater website's kid's page and a few samples of activities from that page can be found in Appendix A.

A.6 Other Public Education

The City's stormwater utility, program, and conference was discussed at a City Council Meeting on June 17th, 2019. Citizens had the opportunity to ask questions and comment at that time. The minutes can be found in Appendix A. Additional public gathering that the City of East Moline participated in include the QC Riverfront Council meeting in January of 2020, the Metropolitan Planning Extreme Weather Resilience Pilot Project Stakeholder workshop, the Upper Mississippi River Conference in October 2020, and the Quad City Bi-Can group a couple of times a year. Often during the meetings, each representative takes the opportunity to speak for their program. Information for all of the above can be found in Appendix A.

As part of the new MS4 permit, environmental justice areas were researched using the EPA website provided in the permit. It The report is attached in Appendix A. A link to the EPA's environmental justice website will be placed on the City of East Moline's stormwater webpage for resident reference.

City of East Moline
Phase II Annual Report
Permit No. ILR400330

B. PUBLIC PARTICIPATION/INVOLVEMENT

For the Public Participation/Involvement component of the NOI, the City of East Moline committed to completing B.2 Educational Volunteer, B.4 Public Hearing, B.5 Volunteer Monitoring, and B.6 Public Involvement. Each individual task is outlined in the paragraphs below.

B.2 Educational Volunteer

The City of East Moline has volunteered, spoken, and provided educational information at the QC Stormwater Conference, many other Quad City area wide meeting and workshops, as well as neighborhood association cleanup events. In addition, the city's website contains stormwater educational materials for adults as well as students. Documentation supporting the sponsorship and involvement of the groups as well as website materials can be found in Appendix A.

B.4 Public Hearing

The City of Moline notifies the public 48 hours in advance of any meeting which is open to the public. The City continues to do so where stormwater programs and/or projects are being discussed. The City makes reports available upon request. The stormwater utility was discussed at a Council Meeting on June 17th, 2019. The minutes can be found in Appendix A.

B.5 Volunteer Monitoring

The City of Moline continues to encourage, support, assist, and monitor cleanup programs. The City provides educational material, supplies, equipment, and disposal service to the volunteer programs. The city, downtown organizations, and Respect Abilities are heavily involved in cleanups on a daily and annual basis depending on the organization and area to be cleaned. Further information and flyers are included in Appendix B.

B.6 Other Public Involvement

The city recently hired a stormwater professional, titled Stormwater Manager, to participate in educating the staff, council, and citizens. All drainage complaints are directed to the stormwater manager, so the citizens can be properly interviewed then

subsequently educated on stormwater issues. Brochures are distributed as necessary and further questions are encouraged. The brochure can be found in Appendix A.

C. ILLICIT DISCHARGE DETECTION AND ELIMINATION

For the Illicit Discharge Detection and Elimination component of the NOI, the City of East Moline committed to completing C.1 Storm Sewer Map Preparation, C.2 Regulatory Control Program, C.5 Illicit Source Removal Procedures, C.7 Visual Dry Weather Screening, C.9 Public Notification, and C.10 Other Illicit Discharge Controls. Each individual task is outlined in the paragraphs below.

C.1 Storm Sewer Map Preparation

The City of East Moline has completed a GIS based storm sewer inventory or atlas showing all known stormwater structures and outfalls. The atlas is recorded electronically using GPS equipment and is incorporated into the City GIS. The City's atlas is complete to the best of our knowledge and is updated regularly as systems are added, relocated, altered, etc. An example of the GIS mapping is included in Appendix C.

C.2 Regulatory Control Program

Non-stormwater discharges to the storm sewer system are not permitted in the City of East Moline. A comprehensive Stormwater Ordinance was developed and implemented to better enforce the prohibition of illicit discharges or discharges not comprised entirely of stormwater. Letters are sent regarding illicit discharges or discharges that include constituents other than stormwater on an as needed basis. The ordinance passages is included in Appendix C.

C.5 Illicit Source Removal Procedures

The City of East Moline addresses the detection of non-stormwater discharges through an internal training opportunity and field inspections. Training topics include staff responsibilities, detection procedures, documentation methods, and enforcement actions from stormwater personnel as well as outside departments including construction inspectors, and municipal services personnel. The City's ordinance prohibits illicit connections and illicit discharges. Inspections have been performed where possible during projects and as needed by citizen driven complaints. The in-house training agenda and attendance sheet is included in Appendix C.

C.7 Visual Dry Weather Screening

A visual inspection of uncovered storm sewer outfalls is conducted during dry weather. Priority areas have been established and are checked first. A sample copy of a map, inspection sheet, and photo is included in Appendix C. Screeners also check for the presence of illegal dumping sites. Locations containing dumped lawn clippings and debris were discovered, but none were a detriment to the waterways. Cease and Desist letters are sent to area residents explaining the dangers and hazards of depositing such materials near drainage ways on an as needed basis.

C.9 Public Notification

The City of East Moline educates members of the residential, commercial, and industrial sectors on the dangers of illicit discharges and the release of non-stormwater discharge into the system. The stormwater website has information regarding the dangers of illegal dumping and illicit discharges. Letters and brochures are sent on an as needed basis to residential and non-residential property owners. Examples of the aforementioned items can be found throughout Appendix A.

C.10 Other Illicit Discharge Controls

The City of East Moline has begun to train appropriate employees in detecting and handling illicit or suspected illicit discharges. The City also stays in communication with the Rock Island County Health Department and neighboring communities for properties outside City jurisdiction that may have an illicit or suspected illicit discharge that may negatively impact City of East Moline drainage systems. Additionally, the City of East Moline residents can take their household hazardous waste to the Waste Commission of Scott County for proper disposal. Records are kept by the commission regarding the number of East Moline residents, and information for citizens is posted on the city's website.

D. CONSTRUCTION SITE RUNOFF CONTROL

For the Construction Site Runoff Control component of the NOI, the City of East Moline committed to completing D.1 Regulatory Control Program, D.2 Erosion and Sediment Control BMPs, D.4 Site Plan Review Procedures, D.5 Public Information Handling Procedures, and D.6 Site Inspection/Enforcement Procedures. Each individual task is outlined in the paragraphs below.

D.1 Regulatory Control Program

The City of East Moline continues to enforce the Stormwater Ordinance which requires installation, maintenance, and inspection of erosion and sediment control measures and stormwater management systems. The ordinance addresses erosion and sediment issues in a comprehensive nature and provides the City with a mechanism in enforcing the NPDES and MS4 Permits. The City reviews all permitted sites for stormwater management systems as well as effective erosion and sediment control measures. After the project is approved and a permit issued, stormwater staff conducts inspections on permitted construction projects to ensure compliance. If a site is found to be in non-compliance, appropriate follow up is conducted with the permit holder. A permit brochure is available for handout and a contractor webpage on the website was created for contractors to assist in the design and construction of projects. Samples of the ordinance, permit application, sample review comments, are included in Appendix D.

D.2 Erosion and Sediment Control BMPs

The City of East Moline requires its contractors and staff to implement erosion and sediment control measures on projects within City's jurisdiction. Staff members and construction inspectors have been educated in-house regarding proper erosion and sediment control. See in house training materials in Appendix C. Permitted sites are also required to install and maintain erosion and sediment control BMPs until proper stabilization measures are achieved. Permittees, as well as City staff, inspects construction projects to ensure measures are working as intended and required. Inspections, violations and enforcement actions are recorded. Inspection logs, follow-up communication, and examples of stabilization measures are included in Appendix D. Erosion Control Performance Bonds are collected for projects 1 acre or more and used, if necessary, if the requirements are not met in a timely manner. An example of a bond form is included in Appendix D.

D.4 Site Plan Review Procedures

The City of East Moline currently has procedures for construction site plan review. The site plan reviewer has a checklist that lists requirements for plan submittals. The checklists were updated to ensure all required ordinance items are included on a drawing, on the checklist, or in a report, including but not limited to, erosion and sediment control, drainage patterns, easements, stormwater controls, etc. Checklists are updated as necessary. The review checklist is included in Appendix D.

D.5 Public Information Handling Procedures

The City of East Moline has a designated phone number that is advertised for the public to utilize with any concerns regarding construction site erosion and sediment control or tracking. Concerns are documented and investigated immediately. Appropriate actions are taken after each investigation. In addition, all NPDES permitted sites within East Moline can be found using a link on the city's website. Website information, helpful links, and complaint website can be found in Appendix A.

D.6 Site Inspection/Enforcement Procedures

The City of East Moline performs construction site inspection for both private and public projects. Construction inspectors for City projects have been educated on the importance of erosion and sediment control, and inspection and maintenance issues. Construction site inspections are documented, and photographs are taken when possible or needed. Issues of non-compliance are addressed immediately with the permit holder in the form of personal contact and a courtesy letter. Follow up visits are performed and, if necessary, court appearances and fines are utilized to ensure compliance with the Stormwater Ordinance. If inspections reveal situations of imminent threat or danger, necessary steps are put in place immediately and enforcement action is taken as appropriate. Inspections and enforcement procedures are updated and modified as needed. An example of a logged site inspection and follow up is included in Appendix D.

Using the EPA website referenced in the MS4 permit, the Mississippi River and Rock River adjacent to the City of East Moline do not appear to have TMDL's or other water quality plans. Therefore, specific sampling of discharges has not yet been required by the City of East Moline. The TMDL mapping report has been included in Appendix D.

E. POST-CONSTRUCTION RUNOFF CONTROL

For the Post-Construction Runoff Control component of the NOI, the City of East Moline committed to completing E.2 Regulatory Control Program, E.3 Long Term Operation and Maintenance Plan, E.4 Pre-Construction Review of BMP Designs, E.5 Site Inspection During Construction, E.6 Post-Construction Inspection, E.7 Other Post-Construction Runoff Controls. Using the EPA website referenced in the MS4 permit, the Mississippi River and Rock River adjacent to the City of Moline do not appear to have TMDL's or other water quality plans. Therefore, specific sampling of discharges has not yet been required by the City of Moline. Each individual task is outlined in the paragraphs below.

E.2 Regulatory Control Program

The City of East Moline's Stormwater Ordinance requires review of plans submitted for all permitted projects. Those plans must include post construction stabilization measures as well as sediment control measures staying in place until property stabilization goals are met. Inspections are performed until the proper stabilization is achieved and the project is closed out. The current Stormwater Ordinance requires the permit holder on a project of 1 acre or more of land disturbance to submit the NOI and NPDES permit from the IEPA prior to issuance of our permit. Excerpts from the ordinance can be found in Appendix D.

E.3 Long Term Operation and Maintenance Plan

Erosion controls implemented by the City or individuals are intended to be short term. Once the ground is stabilized, the erosion controls are removed by the appropriate party. Any maintenance and inspections procedures for short term BMPs implemented are outlined in permits. Individual property owners on Class 2 permitted projects are responsible for inspection and maintenance of their individual long-term stormwater features. Maintenance and responsibility language is required in the information submitted to the City during review.

A long-term BMP for sediment control includes the City's objective to complete at least one large ravine erosion project. Projects will be selected based on life safety issues, then sediment loss. Additionally, the City also has a street sweeping program that includes 1 person on 3rd shift and street sweeping mains and residential streets daily. A list of priority sites has been started and is included in Appendix E. A project completed in 2018, and the city's street sweeping routs is in Appendix E.

E.4 Pre-Construction Review of BMP Designs

The City holds a pre-construction meeting for all City projects to discuss BMP implementation, schedules, installation, maintenance, and inspection. On all private projects, the plan reviewer discusses BMPs with the potential permittee prior to permit approval. Inspections are performed on all City projects and permitted projects. Pre-construction meetings and review processes will be modified appropriately to address the review of BMP designs. An example of a pre-construction form used to address erosion and sediment control measures is included in Appendix E.

E.5 Site Inspections During Construction

The City of East Moline conducts construction site inspections on permitted and City projects. Inspections are documented and any issues on non-compliance are noted and addressed appropriately and immediately. An example of a logged site inspection can be found in Appendix D.

E.6 Post-Construction Inspection

The City of East Moline continues the inspection process until proper ground stabilization is achieved. For City projects and permitted projects over 1 acre, an Erosion Control Performance Bond is required. Bonds are not released until proper ground stabilization is achieved. Projects are not officially "closed out" until all disturbed areas are permanently stabilized. Where appropriate, a temporary Certificate of Occupancy (CO) is only issued if the site is at least seeded and protected. A permanent CO is not issued until full stabilization is achieved and erosion control measures can be removed.

E.7 Other Post-Construction Runoff Controls

During the end of this reporting year, and at the guidance of the new MS4, the City of East Moline has come up with a visual inspection plan. Based on population, the City must visually inspect the outfalls along the Mississippi River. There are 12 gatewells that lead to outfalls on the Mississippi. A USACE certified levee separates the City of East Moline storm sewer system and the Mississippi River, therefore gatewells and pumps are utilized to relieve runoff. A visual inspection was performed at each gatewell and is included in Appendix G.

F. POLLUTION PREVENTION/GOOD HOUSEKEEPING

For the Pollution Prevention/Good Housekeeping component of the NOI, the City of East Moline is committed to completing F.1 Employee Training Program, F.2 Inspection and Maintenance Program, F.3 Municipal Operations Stormwater Control, F.5 Flood Management/Assess Guidelines, and F.6 Other Municipal Operations Controls. Using the EPA website referenced in the MS4 permit, the Mississippi River and Rock River adjacent to the City of Moline do not appear to have TMDL's or other water quality plans. Therefore, specific sampling of discharges has not yet been required by the City of Moline. Each individual task is outlined in the paragraphs below.

F.1 Employee Training Program

The City of East Moline has started to train employees on pollution prevention and good housekeeping practices. New employees are instructed as to the proper disposal of wastes, maintenance of vehicles and other good housekeeping measures. Inlet protection devices are used where appropriate on City property and are encouraged on all projects that result in ground disturbance. Training was held for managers regarding housekeeping practices, what to look for, what to report, and proper methods of cleaning, maintaining, and operating equipment while maintaining compliance with our permits and the Clean Water Act. See training materials in Appendix C.

F.2 Inspection and Maintenance Program

The City of East Moline has started to monitor its existing facilities with regard to proper pollution prevention measures. As new measures are needed, proper steps are taken to that end. Where hazardous wastes or other pollutants can be eliminated or substituted for safer products, the City moves toward that goal.

F.5 Flood Management/Assess Guidelines

The City is not currently enrolled in the NFIP but monitors and permits or denies permits for construction in the floodplains. In addition, the Stormwater Ordinance addresses construction, detention, discharges to and construction around the flood plains, flood ways, and flood fringe. The City of East Moline gave 1 floodplain development authorizations in this reporting year. A blank Floodplain Development Authorization form can be found in Appendix F.

F.6 Other Municipal Operations Controls

The City of Moline currently has a street sweeping program in place for regular sweeping when weather permits. Streets are done routinely or on an as needed basis depending on the area.

The Public Works webpage can be found in Appendix F. Examples of all other referenced programs can be found in Appendix A-E.

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

General examples of information referenced in this report can be found in Appendices A-F.

During the reporting year and at the guidance of the new MS4 and subsequent IEPA inspection and follow-up notice correspondence, the City of East Moline has completed additional BMP's as outlined within this report. Additionally, the City has started a visual screening of outfalls/gatewells along the Mississippi River. The inspection and results are included in Appendix G. A written plan and quarterly visual inspections will be performed in the next reporting period.

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

The City will continue with all measures set forth in the NOI, included in this report, as well as the new requirements under the most recently issued MS4 permit and Notice letters. This report except where changes, alterations, deletions, or additions are required to achieve the intent of the submitted NOI or the stormwater program, notices of potential violations, extensions for notices received, and overall compliance of the City of East Moline MS4 program and permit. In order to better achieve and maintain compliance, the program, procedures, and report will likely change over the next reporting periods and until the new NOI is required. This will help achieve better compliance and includes, more and citywide training, more frequent and comprehensive inspections of city facilities, stabilizing all city owned properties that have been used as fill sites, and the ongoing compilation of repairs to ravine systems and other sediment producing erosion projects.

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

The City of East Moline is not relying on another government entity to satisfy any of our permit obligations.

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

City of East Moline projects for which a NPDES permit was obtained during the reporting year include:

ILR10BC14 – 4th Street Drainage Project 0382019

▼ Stormwater

- Stormwater Control Ordinance
- Stormwater Control Ordinance Summary
- Stormwater Utility Tri-Fold Brochure (PDF)
- Common Stormwater Pollutants & Their Sources
- Environmental Protection Agency Stormwater Program
- Scott County Hazardous Waste
- Illinois Association for Floodplain & Stormwater Management
- American Water Resources Association
- National Stormwater Best Management Practices Database
- U.S. Geological Survey Water Science School
- Clear Water Campaign
- Local Government Environmental Assistance Network

Categories

- All Categories
- Engineering
- Finance
- Fire Department
- Fire Department Training Partners
- Food Safety
- Inspections Department
- Investigation Division
- Local Area Links
- Maintenance Services
- Morton Memorial
- Police Department
- Safety Seminars
- Stormwater
- Using This Site
- Water Filtration

Stormwater

What is stormwater?

Stormwater is the runoff that results from precipitation. As this water flows over construction sites, farm fields, lawns, driveways, parking lots, and streets, it picks up sediment, nutrients, bacteria, metals, pesticides, and other pollutants. Unlike sanitary sewers that go to a treatment plant, most stormwater discharges directly to local water bodies. Increasing amounts of impervious surfaces in the City, such as roof tops, driveways, parking lots, and streets, decrease the ability of the water to soak into the ground, thus increasing the potential for flooding from greater volumes of runoff entering the city's storm sewer and drainage system at a faster rate.

Why does stormwater have to be managed?

Stormwater is managed to protect homes, property, the environment, streams, and rivers from damage due to flooding, pooling, erosion and harmful pollutants. Stormwater runoff must be channeled through a system of pipes, culverts, ditches, swales, catch basins, and storm drains before it can be safely discharged into local streams and rivers. Even if a property has never flooded, the stormwater that flows off that property must be managed so that it doesn't contribute to flooding in other areas.

Need

The Clean Water Act (CWA) was enacted by Congress and signed by the President to establish environmental programs, including the NPDES program, to protect the Nation's waters and direct EPA to issue rules on to how implement this law. Many municipalities across the nation are now required to obtain a NPDES Permit and abide by rules, regulations, and standards to monitor runoff that enters the Storm Sewers. As part of the NPDES permit, programs must be established for public education and outreach, public involvement and participation, public education and outreach, illicit discharge detection elimination, construction site runoff control, post-construction runoff control, and pollution prevention and good housekeeping. The programs listed above are federally mandated, however, federal funding is not available for their implementation. It is up to each individual municipality to secure funding.

Best Management Practices

Plan

Stormwater Management Plan

Kids

K-3 Activity book

Reports

Notice of Intent

- 2004-2005 Annual Report
- 2005-2006 Annual Report
- 2006-2007 Annual Report
- 2007-2008 Annual Report
- 2008-2009 Annual Report
- 2009-2010 Annual Report
- 2010-2011 Annual Report
- 2011-2012 Annual Report
- 2012-2013 Annual Report
- 2013-2014 Annual Report
- 2014-2015 Annual Report Part 1 of 2
- 2014-2015 Annual Report Part 2 of 2
- 2015-2016 Annual Report
- 2016-2017 Annual Report
- 2017-2018 Annual Report

CONTACT US

Tim Kammler, P.E.
Director of Engineering
Email
Ph: 309-752-1595
Fx: 309-752-0634

Engineering & Maintenance
Services Facility
1200 13th Ave.
East Moline, IL 61244
Directions

Hours are 8 a.m. to 5:00 p.m.
Monday through Friday

Staff Directory

QUICK LINKS

- Code violations

◦ Animal control ◦ Unlawful dumping ◦ Illegal burning ◦ Abandoned vehicles, expired or untagged vehicles ◦ Snow on sidewalks	309-797-0402	Email
◦ **All other issues**	309-752-1599	Email

Report Concerns

Reporting a Problem in East Moline - 309-752-1599

Please leave a message after hours and we will direct your concern to the proper department and return your call if requested.

Service	Phone Number	Email
◦ Police Non-Emergency	309-752-1555	n/a
◦ Speeding ticket or traffic violations, court dates	309-558-3340	Email
◦ Garbage, yard waste, recycling, and special pick-up ◦ Parks (including shelter reservation) ◦ Street / sidewalk maintenance ◦ Water main breaks ◦ Leaky hydrants	309-752-1573	Email
◦ Food service (restaurants, bars, convenience stores) ◦ Weeds/overgrown brush ◦ Radon ◦ Housing (indoor sanitation) ◦ Pests/West Nile ◦ Overflowing Commercial Dumpsters	309-752-1510	Email
◦ Water billing issues	309-752-1530	Email
◦ Burning regulations ◦ Burn days ◦ Report violation ◦ Smoke detectors / home safety ◦ Car seat safety	309-752-1511	Email
◦ To report construction work without permit	309-752-1500	Email

- Stormwater Control Ordinance
- Stormwater Control Ordinance Summary
- Stormwater Utility Tri-Fold Brochure (PDF)

View All

FAQS

- What is stormwater?
- Where does the stormwater go?
- What is stormwater pollution?

View All

East Moline Stormwater Utility

Stormwater Utility improvements are required for many reasons, including:

- ✓ Repairs to the City's deteriorated levee system so that the levees may be acceptably certified to FEMA and maintain their 100-year flood protection rating.
- ✓ Improvements to deteriorated ravine drainage structures caused by erosion.
- ✓ Repair or replace collapsing and/or aging culverts, storm sewers, inlets, detention facilities, check dams, control structures, and other drainage infrastructure.
- ✓ The City must comply with newly mandated and unfunded Federal and State regulations regarding the amount and quality of stormwater that can be discharged into rivers and streams. This program's intent is to reduce discharge of pollutants from the storm sewer system, protect all tributaries, and improve water quality.
- ✓ The projected cost of repairs and improvements will be millions of dollars.

Why is the Stormwater utility fee needed?

In order to meet new, federally-mandated regulations for discharging stormwater and pay for the associated stormwater infrastructure costs, the City of East Moline has implemented a stormwater fee rather than raise property taxes or cut services. A survey of East Moline's existing stormwater infrastructure found them in disrepair and in need of significant repairs.

City of East Moline, IL

If you have any questions about the City's Stormwater utility, contact:

City of East Moline
Engineering Department
1200 13th Avenue
East Moline, Illinois 61244
Phone: 309.752.1595
Fax: 309.752.0634
http://www.eastmoline.com

City of East Moline

Stormwater Utility

December 2011

CITY OF EAST MOLINE

What is stormwater?

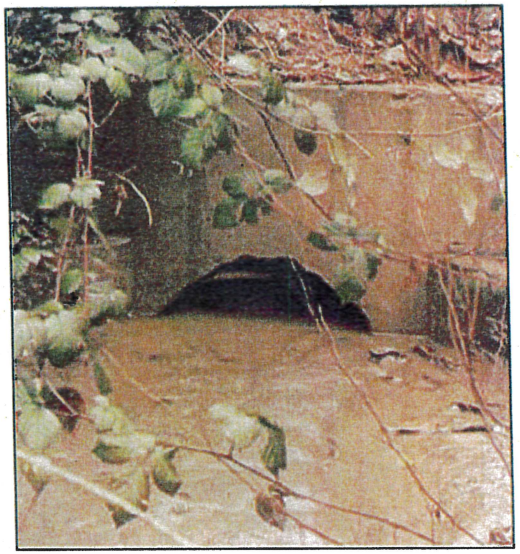
Stormwater is the runoff that results from precipitation. As this water flows over construction sites, farm fields, lawns, driveways, parking lots, and streets, it picks up sediment, nutrients, bacteria, metals, pesticides, and other pollutants. Unlike sanitary sewers that go to a treatment plant, most stormwater discharges directly to local water bodies. Increasing amounts of impervious surfaces in the City, such as roof tops, driveways, parking lots, and streets, decrease the ability of the water to soak into the ground, thus increasing the potential for flooding from greater volumes of runoff entering the city's storm sewer and drainage system at a faster rate.

Why does stormwater have to be managed?

Stormwater is managed to protect homes, property, the environment, streams, and rivers from damage due to flooding, pooling, erosion and harmful pollutants. Stormwater runoff must be channeled through a system of pipes, culverts, ditches, swales, catch basins, and storm drains before it can be safely discharged into local streams and rivers. Even if a property has never flooded, the stormwater that flows off that property must be managed so that it doesn't contribute to flooding in other areas.

Need

The Clean Water Act (CWA) was enacted by Congress and signed by the President to establish environmental programs, including the NPDES program, to protect the Nation's waters and direct EPA to issue rules on to how implement this law. Many municipalities across the nation are now required to obtain a NPDES Permit and abide by rules, regulations, and standards to monitor runoff that enters the Storm Sewers. As part of the NPDES permit, programs must be established for public education and outreach, public involvement and participation, public education and outreach, illicit discharge detection elimination, construction site runoff control, post-construction runoff control, and pollution prevention and good housekeeping. The programs listed above are federally mandated, however, federal funding is not available for their implementation. It is up to each individual municipality to secure funding.



Who pays the Stormwater Utility fee?

The stormwater utility is a user-fee, much like the fee that you pay for your water or wastewater service. All property owners must share in the cost of the stormwater program. This includes residents, businesses, institutions, and industry.

How is the Stormwater Utility charge calculated?

The stormwater charges will be calculated based on the amount of a property's impervious area which can be measured and is a reasonably objective means to determine stormwater runoff. Impervious area is the area that prevents or impedes storm water to soak into the soil. Impervious areas include rooftops, driveways, sidewalks and parking lots.

Homeowners: 3-Tiered Structure

1 Equivalent Residential Unit (ERU) = 2,200 sq. ft. of impervious surface

Current Rate = $2.61/month (minimum)

Small Parcel (under ¼ acre) =1 ERU = $2.61/month

Medium Parcel (¼ - ½ acre) = 1.75 ERUs = $4.57/month

Large Parcel (½ -2 acres) = 2.5 ERUs = $6. 53/month

Other Properties = $2.61 x # ERUs

7th ANNUAL

QUAD CITIES STORMWATER CONFERENCE

QCSC

Register Online:

BROUGHT TO YOU BY:

Rock Island County Soil and Water Conservation District

Rock Island County

ROCK ISLAND ILLINOIS

City of East Moline

CHRISTOPHER B. BURKE ENGINEERING, LLC

Partners of Scott County Watersheds

Bettendorf

Coal Valley, Illinois 1856

City of Moline Illinois

Tuesday, February 11th, 2019
Jumer's Casino & Hotel 777 Jumer Drive Rock Island, IL
COST $35 per person

"Challenges, Collaboration, and Resiliency"
This conference will provide an in-depth look at inspection reports and BMP practices as well as insights on stormwater and erosion control issues. Stay for the social and taste local brews from 4 to 5.

SCHEDUL	5 PDU'S/CEU'S EARNED!
8:00 to 8:30 am	REGISTRATION
8:45 to 9:00 am	Welcome Remarks
9:00 to 9:45 am	Inspection Report Exercise
9:45 to 11:30 am	BMP Exercise
11:30 to 12:30 am	LUNCH
12:30 to 1:00 pm	Exhibitors in a Nutshell
1:00 to 2:00 pm	Dan Salsinger, Hanes Geo
2:00 to 2:15 pm	BREAK
2 :15to 3:00 pm	Amy Foster, City of Coralville
3:00 to 4:00 pm	George Ryan, I-74 Bridge Update
4:00 to 5:00 pm	SOCIAL HOUR - Door Prizes, Beer Tasting, Evals

DOOR PRIZES!

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Jumer's Hotel Stay

TaxSlayer Suite for Storm Game

Grinder

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Call Dawn or Rich
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BUSHTURF.com

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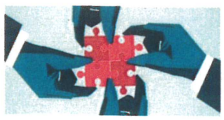
S.A.M.S. Stormwater and Management Services

FORD&SONS

eventbrite

Order #1166094831

7th Annual QC Stormwater Conference



Advertising Sponsor $156.84

Jumer's Casino , 777 Jumer Dr., Rock Island, IL 61201

Tuesday, February 11, 2020 from 8:00 AM to 5:00 PM (CST)

PayPal Completed

Order Information

Order #1166094831. Ordered by Erica Williams on November 25, 2019 7:01 AM

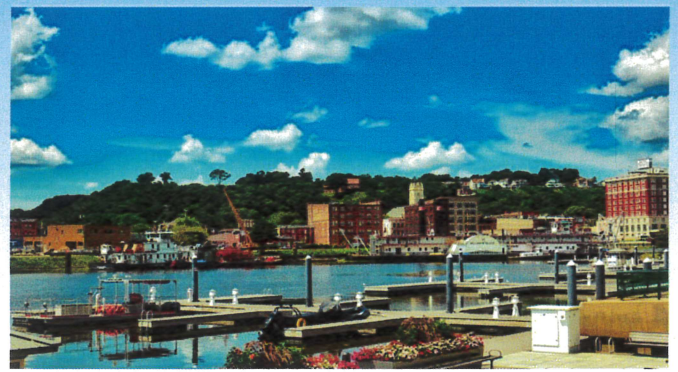
Name

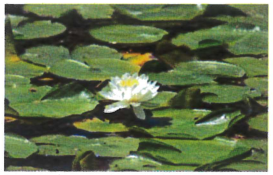
Erica Williams

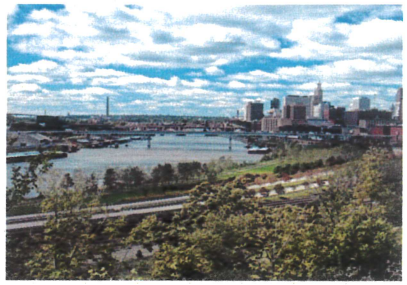
1166094831156761914500 1

Save the Date!

12th Annual Upper Mississippi River Conference | Oct. 23-24, 201

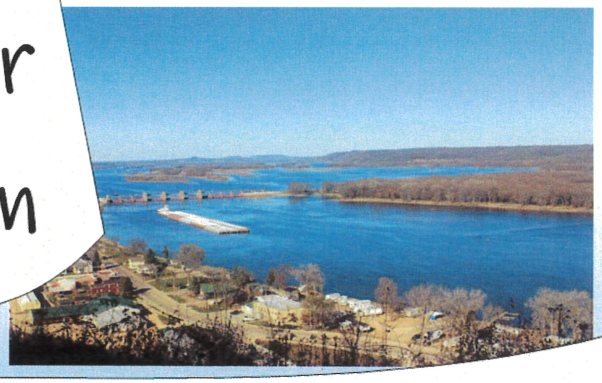


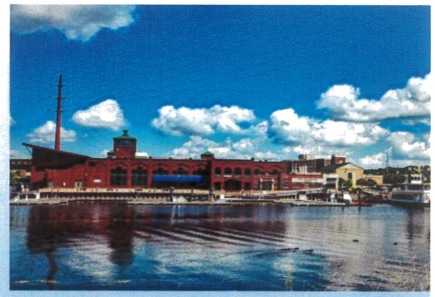




RACTION

dvancing our
hared Vision





staining and Utilizing our Mississippi Treasure

Stoney Creek Hotel & Conference Center | Moline, Illi

quality ~ floodplain management ~ infrastructure ~ stewardship ~ transportation ~ habitat rest

Erica Williams

From: 1620@mcssl.com on behalf of River Action Inc. <riveraction@riveraction.org>
Sent: Friday, September 06, 2019 9:09 AM
To: Erica Williams
Subject: Thank you for your order

Hello Erica Williams,

Thank you for your order.

Order Receipt:

Order ID: 315973831
Date: Fri Sep 06 10:08:30 -0400 2019
Payment Type: Mastercard
Order Status: Accepted

(00005) Early Bird Full Registration (thru 9/13/19)
$150.00 X 1 = $150.00
(00033) Project Tour #1 - Blue Heron Eco-Cruise & Mississippi River Eco-Tourism Center
$10.00 X 1 = $10.00

Product Total $160.00

Grand Total $160.00

Name: Erica Williams
Company: City of East Moline
Email: ewilliams@eastmoline.com

Address 1: 1200 13th Avenue
Address 2:
City: East Moline
State/Province: Illinois
Zip/Postalcode: 61244
Country: United States

Fax:
Phone: 309-751-2310
Secondary Phone:

How did you hear about us?: I've been in the past

Thank you!

Thank you again for your order. If you have any questions, please do not hesitate to contact us using the information below. If you contact us regarding this order, please quote your Order ID # 315973831

River Action Inc.
563-322-2969
riveraction@riveraction.org
www.riveraction.org/

Erica Williams

From: cdowney@riveraction.org
Sent: Tuesday, September 10, 2019 3:42 PM
To: Erica Williams
Subject: 2019 Upper Mississippi River Conference Registration Confirmation

Thank you for registering for the 2019 Upper Mississippi River Conference, Oct. 23-24, 2019 at Stoney Creek Hotel & Conference Center in Moline, Ill.

You have registered for:

_X__ Full Conference - Standard
___ One Day - Wednesday - Standard or Student
___ One Day - Thursday - Standard or Student
_X__ Wednesday Eco-Tour Pontoon Cruise
___ Wednesday Habitat Rehabilitation & Enhancement Projects Tour
_X__ Wednesday evening Catfish Dinner & Entertainment
___ Guest tickets
    ___ Wednesday Boxed Lunch
    ___ Wednesday Catfish Dinner
    ___ Thursday Luncheon

We have received your _Mastercard__ payment of $_160.00___.

To see an up-to-date conference program, please visit www.riveraction.org/UMRC/schedule.

Thank you!

Carol E. Downey
Program Manager

RIVERACTION

River Action, Inc. | 822 E. River Drive | Davenport, IA 52803
O: 563-322-2969 | M: 309-236-3886

Save the date! Upper Mississippi River Conference |Oct. 23-24, 2019 | Moline, Ill. | www.riveraction.org/UMRC

Joseph

AGENDA

QUAD CITIES, IOWA-ILLINOIS METROPOLITAN PLANNING AREA EXTREME WEATHER RESILIENCE PILOT PROJECT STAKEHOLDER WORKSHOP

Thursday, August 29, 2019 – 10:00 a.m. - 2:30 p.m.
Bettendorf Public Library, 2nd Floor Bettendorf Room
2950 Learning Campus Drive
Bettendorf, Iowa 52722

1. Check-In/Registration [9:30 a.m.]
2. Welcome and Overview [10:00 a.m.] – Gena McCullough, Bi-State Regional Commission
3. Extreme Weather Resilience Pilot Project Overview on Regional Climate, Department of Transportation Assessments and Local Vulnerability Assessment [10:05 a.m.]
   - Y – Ray Wolf, NOAA-National Weather Service
   - BL – Chris Schmidt, Illinois Department of Transportation
   - BK – David Claman, Iowa Department of Transportation
   - Sarah Gardner, Bi-State Regional Commission
4. Break & Lunch Set-Up [11:30 a.m.] (Organize at tables to include at least one local city/county official, state or federal transportation official, state or federal resource agency, and other interested parties.)
5. Stakeholder Vulnerable Facilities Mapping Exercise and Discussion [11:45 a.m.] (Exercise to review hot spots and vulnerable transportation facilities and other important critical facilities. Working lunch.) – Sarah Gardner/Brad Lathrop, Bi-State Regional Commission
6. Adaptation Prioritization Exercise [1:00 p.m.] – Tara Cullison, Bi-State Regional Commission
7. Workshop Summary and Next Steps [2:00 p.m.] – Sarah Gardner and Tara Cullison
8. Adjournment

BRIDGES BUILT TO 100YR EVENT IN IL.

8% ↑ RAIN = 23% ↑ IN FLOW IN RIVERS/STREAMS

Bi-State Regional Commission

Contacts:
Gena McCullough, (309) 793-6300 Ext. 1146, gmccullough@bistateonline.org
Sarah Gardner, (309) 793-6300 Ext. 1148, sgardner@bistateonline.org
Tara Cullison, (309) 793-6300 Ext. 1145, tcullison@bistateonline.org
Patty Pearson, (309) 793-6300 Ext. 1138, ppearson@bistateonline.org

IDOT DESIGNING TO 200YR NOW. IN HOUSE!

TC\sdg
P:\USERS\WORD\Agendas - 30\Extreme Weather Resilience Stakeholder Workshop Agenda.docx

"CLIMATE CHANGE DOESN'T MAKE EXTREME WEATHER, IT MAKE EXT. WEATHER WORSE!"

	L RLS	H RISK
H IMP	O	R
L IMP	G	Y

Bi-State
Regional Commission

Serving local governments in Muscatine and Scott Counties, Iowa;
Henry, Mercer and Rock Island Counties, Illinois

MEMORANDUM

TO: Local Transportation and Planning Officials, State Departments of National Resources, Climate, Water Resources, and Transportation

FROM: Gena McCullough, AICP, Assistant Executive Director/Planning Director

DATE: August 1, 2019

RE: Stakeholder Indicator-Based Desktop Review Workshop for the Bi-State Regional Commission Extreme Weather Resiliency and Durability Pilot

Please join us for the next phase of the Extreme Weather Resiliency and Durability of the Quad Cities, Iowa/Illinois Transportation System Pilot, the Metropolitan Area Stakeholder Indicator-Based Desktop Review Workshop. This stakeholder workshop will involve informative presentations from the National Weather Service and Bi-State Regional Commission, small group discussion for mapping assets and critical infrastructure, and large group discussion on adaptation strategies for addressing resilience and durability in the Quad Cities.

The workshop is scheduled for **Thursday, August 29, 2019 from 10:00 a.m. to 2:00 p.m. at the Bettendorf Public Library, 2950 Learning Campus Drive, Bettendorf, Iowa 52722.** Lunch will be provided to attendees at no cost.

Through the Federal Highway Administration (FHWA), Bi-State Regional Commission received grant funds to conduct a vulnerability assessment and determine strategies to mitigate weather related impacts in the Quad Cities metropolitan planning area's (MPA) multi-modal transportation system. Bi-State is using FHWA's Vulnerability Assessment Framework to identify key weather variables and vulnerable assets specific to the greater Quad Cities region, to focus strategic, extreme weather hazards planning efforts for future transportation planning. The goal of the project is to help shape a more resilient and durable Quad Cities transportation system by incorporating specific mitigation and adaptation strategies in the *2050 Quad Cities Long Range Transportation Plan* and future short- and long-range transportation and hazard mitigation planning efforts.

Hosting the kick-off meeting last fall, collecting local data from city and county staff, and collecting available transportation and weather related data puts our efforts at the middle point of the project timeline:

- ☑ Develop Planning Advisory Committee and host kick-off meeting
- ☑ Secure data on transportation assets and weather impacts
  - ➢ **Access vulnerability and analyze adaptation options**

1504 Third Avenue, P.O. Box 3368, Rock Island, Illinois 61204-3368
Phone (309) 793-6300 • Fax (309) 793-6305
E-mail: info@bistateonline.org • Website: www.bistateonline.org

- ☐ Determine priorities and opportunities to incorporate into planning processes
- ☐ Incorporate results and integrate customized adaptation strategies into regional transportation planning practice

I would invite you to attend as a key stakeholder in our Quad Cities Metropolitan Area. Please RSVP via e-mail to tcullison@bistateonline.org or by calling our office at (309) 793-6300. If there is someone from your organization that would be more appropriate to attend or is able to attend on your behalf, we would welcome their participation and confirmation.

I look forward to continuing our steady progress on this project. I am excited to share our findings to-date and to hear what your insights will bring to the discussion on how our transportation system can be more resilient in the face of extreme weather and future climate trends.

GM\SJG\TC\sdg
P:\USERS\WORD\Environment - 500\memos\Extreme Weather Resiliency Stakeholder Workshop_8-19.docx

Erica Williams

From: Tara Cullison <tcullison@bistateonline.org>
Sent: Monday, August 19, 2019 5:37 PM
To: Erica Williams
Subject: RE: Extreme Weather Resiliency & Durability Pilot Meeting

I will add you to the list. Thanks, Erica!

Tara

From: Erica Williams [mailto:ewilliams@eastmoline.com]
Sent: Friday, August 16, 2019 7:45 AM
To: Tara Cullison <tcullison@bistateonline.org>
Subject: Extreme Weather Resiliency & Durability Pilot Meeting

Happy Friday!

I am RSVP'ing for the above meeting on August 29, 2019 from 10 – 2 pm at the Bettendorf Library. I will be attending as the representative for the City of East Moline.

Respectfully,
Erica Williams

Erica Williams
City of East Moline
Stormwater Manager
309-751-2310
ewilliams@eastmoline.com

Adaptation Options: A Multi-Criteria Analysis Exercise

Scenario 2— Flash flooding

Scoring Impact of Criteria

H = High
M = Moderate
L = Low

Instructions: Urban streams and stormwater infrastructure can become overwhelmed in extreme weather. When flash flooding occurs as a result of heavy rain, many of the MPA's transportation assets become either inundated or vulnerable to inundation. Choose either **one location** or **general corridor** that is disrupted by flash flooding develop an Advisory, Control, and Treatment adaptation option that would increase its resiliency.

← Criteria →

↑ Adaptation Options ↓

	Effective in other extreme weather?	Capital/life-cycle costs?	Environmental impacts?	Impact to the vulnerability?	Permitting constraints?	Public acceptance?	Environmental justice Impacts?	Feasibility?
Advisory								
Control								
Treatment								
No Action								

Adaptation Options: A Multi-Criteria Analysis Exercise

Scenario 1— River flooding

Scoring Impact of Criteria

H = High

M = Moderate

L = Low

Instructions: When river levels rise as a result of prolonged rain, many of the MPA's transportation assets become either inundated or vulnerable to inundation. Choose either **one location** or **general corridor** that is disrupted by river flooding and develop an Advisory, Control, and Treatment adaptation option that would increase its resiliency.

Criteria →

Adaptation Options ↓

	Effective in other extreme weather?	Capital/life-cycle costs?	Environmental impacts?	Impact to the vulnerability?	Permitting constraints?	Public acceptance?	Environmental justice Impacts?	Feasibility?
Advisory								
Control								
Treatment								
No Action								

MTG suggestions IL for March

NEED BANK FOR IL. ? along R.R. ? Tgm ? → TOO much silt from flooding

$3.9 MILLION FED FUND 100% Levee repairs

300 acres

QUAD CITIES **RIVERFRONT** COUNCIL

Meeting Announcement and Agenda
Quad Cities Riverfront Council (QCRFC)

EXPERIENCE GUIDE VISIT Q.C. etc in Moline

BRIAN RITTER

NAHANT IS WETLAND BANK-CREDITS FOR SALE! CANNOT BUY FORECLOSURES!

Tuesday, January 28, 2020 – 12:00 p.m.
Eastern Iowa Community College – Urban Campus
First Floor - Room W 116/117
101 West Third Street
Davenport, Iowa 52801

QCRFC Representatives
Tim Knanishu, President (QC Chamber of Commerce - IL Rep.)
Larry Burns, Vice President (Rock Island County)
Molly Otting-Carlson, Secretary/Treasurer (Visit Quad Cities)

PLANNING USACE
BEN Ferrel

Mr. Steve Ahrens/ Mr. Bruce Berger (Davenport, IA)
Mayor Ray C. Allen/ Mr. Justin Graff (LeClaire, IA)
Mr. Jeff Anderson (Moline, IL)
Mayor Michael Bawden (Riverdale, IA)
Col. Mark DeSchenes/LTC Daniel Segura (U.S. Army Corps of Engineers)
Ms. Ann Geiger (National M.R.P.C.)
Mr. John Gripp (Rock Island, IL)
Mr. Ralph H. Heninger (Quad Cities Chamber of Commerce – Iowa Rep) **
Mr. Joel Himsl (Rock Island Arsenal)
Ms. Missy Housenga (Rapids City, IL)
Mr. Carl Hoyt (LeClaire Chamber of Commerce)
Mr. Tim Huey (Scott County, IA)

Mayor Richard Vershaw (Hampton, IL)
Mr. Tim Kammler (East Moline, IL)
Mayor Bruce Peterson (Port Byron, IL)
Mr. Tim Knanishu (QC Chamber of Commerce- IL Rep.)*
Mr. Olin Meador (Buffalo, IA)
Mayor Curt Morrow (Andalusia, IL)
Mayor James Boone (Cordova, IL)
Ms. Molly Otting Carlson* (Visit Quad Cities)
Mr. Jeff Reiter (Bettendorf, IA)
Dr. Rodney Simmer/Mr. Larry Burns* (Rock Island County, IL)
Ms. Kathy Wine (River Action, Inc.)
Mayor Robert Woomert/Ms. Katie Enloe-(Princeton, IA)

** Current QCRFC Officers*
*** QCRFC representative to BSRC*

LACHRZ BI-STATE

1. **Call Meeting to Order**

MIKE FISHER BF ISSUES

2. **Approval of the Quad Cities Riverfront Council (QCRFC) November 26, 2019 Meeting Minutes** (A copy of the meeting minutes is included with the agenda packet.)

IMACT 7G

3. **Presentation on Brownfield Redevelopment in the Quad Cities Area**
4. **Certificates of Appreciation Discussion**
5. **Officer Nomination Committee**

GET w/ LARRY B. for nominating committee

6. **Individual Riverfront Reports (Representatives/Alternates)**

- Andalusia
- Bettendorf
- Buffalo
- Cordova
- Davenport
- East Moline
- Hampton
- Interstate RC & D
- LeClaire
- LeClaire Chamber of Commerce
- Moline
- National Mississippi River
- Port Byron
- Princeton
- Quad Cities Chamber of Commerce – Illinois Rep.
- Quad Cities Chamber of Commerce – Iowa Rep.
- Visit Quad Cities
- Rapids City
- River Action, Inc.
- Riverdale
- Rock Island
- Rock Island Arsenal
- Rock Island County
- Scott County
- U.S. Army Corps of Engineers

Bi-State Regional Commission • 1504 Third Avenue • Rock Island, Illinois 61201
Phone: (309) 793-6300 • Fax: (309) 793-6305

HAS NAHANT RECEIVED

7. **Next Meeting:** Tuesday, March 24, 2020

8. **Other Business**

9. **Adjournment**

Before they close on the 31st, attendees may order a box lunch from Downtown Deli (see menu for choices) – $10.00.

I will provide bottled water and deliver the meals to the meeting site.

Please RSVP – NO LATER THAN 12:00 PM on Monday, January 27, 2020.

Note: Members are encouraged to designate an alternate representative from their community or organization to attend in their absence.

IMPORTANT REMINDER:

Whether planning to attend or not,
Please R.S.V.P. by phone or e-mail to:
Tara Cullison
(309) 793-6300, Ext. 1145
or
E-mail: tcullison@bistateonline.org

No later than Friday, January 24, 2020

2020 MEETING SCHEDULE

4th Tuesday – every other month

January 28	July 28
March 24	September 22
May 26	November 24

Minutes of the
QUAD CITIES RIVERFRONT COUNCIL (QCRFC)

Tuesday, November 26, 2019, 12:00 p.m.
The Rust Belt – VIP Room
331 West Third Street
Davenport, Iowa 52801

Council Members in Attendance:
Mr. Jeff Anderson
Mr. Larry Burns*
Mr. Tim Huey
Mr. Tim Knanishu*
Ms. Molly Otting Carlson*
Mr. Rod Simmer
Ms. Kathy Wine

** Current QCRFC Officers*

Others in Attendance:
Mr. Dan Breidenstein
Mr. Jeff Craver
Ms. Tara Cullison
Mayor Reggie Freeman
Mr. Doug Maxeiner
Ms. Crystal Milburn
Mr. Ben Mills
Mr. Mike Petersen
Mr. Mike VanDeHeede

1. **Call Meeting to Order**. Meeting was called to order by Mr. Knanishu at 12:25 p.m.

2. **Approval of the September 24, 2019 QCRFC Meeting Minutes.** A motion to approve the minutes was made by Mr. Huey. Mr. Simmer seconded the motion to approve the September 24, 2019 meeting minutes. The meeting minutes were approved unanimously.

3. **Certificates of Appreciation Presentation.** Mr. Knanishu explained that the Quad Cities Riverfront Council awards Certificates of Appreciation annually for projects that contribute to the development of the Quad Cities riverfront. The first award was given to the Rock Island County Forest Preserve and River Action for their work to restore natural habitat to the region, and partnership with each other on completing invasive species removal and restoration of prairie and native savanna at Illiniwek Forest Preserve.

   The second award was presented to the City of East Moline and Great River Properties for the transformation and ongoing work at The Bend, which brings mixed-use development and new amenities to the region while reconnecting the public with a piece of riverfront that has been inaccessible for years.

   The final award was presented to Living Lands & Waters for its 22 years of environmental stewardship and work to clean-up, restore native vegetation and educate the public, within and along the nation's waterways. Chad Pregracke, his team, and numerous volunteers have removed over 10 million pounds of trash and have been an instrumental resource for local clean-up events in the Quad Cities Region.

4. **Consider Updates to QCRFC Logo.** Ms. Cullison passed around a draft of the new Quad Cities Riverfront Council logo that incorporates the new I-74 Bridge and the updated name of the Council. Mr. Huey made a motion to approve the design of the new Quad Cities Riverfront Council logo as presented and to replace with the old logo on QCRFC related communication materials. Mr. Burns seconded the motion, and it carried.

5. **Individual Riverfront Reports.**

- *East Moline* – The Rust Belt complex has seen a lot of new businesses opening up recently. These include Midwest Ale Works, Jennie's Boxcar Mexican restaurant, Streamline Architects & Artisans, Revival Main – A Hair Culture, and Iron + Grain Coffee House to open soon.
- *Moline* – Renew Moline is bringing the Urban Land Institute to make a recommendation on I-74 realignment zone. The Public Art Master Plan has kicked off and is possible through a grant from the Moline Foundation. IH Mississippi Valley Credit Union had their grand opening for the new headquarters building. The Axis Hotel has officially opened at the corner of 5th Avenue and 17th Street. The city has hit the pause button on the Speigel building project to better understand what that area will look like.
- *QC Chamber of Commerce* – Economic development leaders met at Ascentra to view a downtown plan for the City of Bettendorf. The plan was viewed in virtual reality, completed by Shive-Hattery.
- *River Action* – River Heritage Park is in need of biking infrastructure and completion of the railroad bridge. The QC Flood Resilience Alliance will be hosting a Certified Floodplain Managers training at Western Illinois University in January. The training will be four days, January 28-31, with an opportunity to test for national certification on the last day. The training is free, and River Action is trying to get all 26 communities along the river involved with the Community Rating System. This training is part of that initiative.
- *Rock Island County* – The dam reconstruction at Loud Thunder is completed. There will be an expansion of camping sites complete by next summer. BHC assistant professor, Isaac Stewart, and his team are completing an inventory of bees at Illiniwek, where they found a large population of the almost extinct Rusty Patched Bumble Bee. The County Board passed a resolution supporting the creation of the statistical boundaries of the Mississippi River Port of Eastern Iowa and Western Illinois in November. At the same meeting, an ordinance was approved to regulate commercial film production in Rock Island County.
- *Scott County* – Scott County Board of Supervisors passed a resolution supporting the creation of the statistical boundaries of the Mississippi River Port of Eastern Iowa and Western Illinois at the November meeting. The county is in the process of adopting new FEMA floodplain maps, which will add 17,000 acres of land to the floodplain determination. These maps will be replacing maps from 2011. The county is still working one out in the northern portion of the county as a result of 2016 flooding.

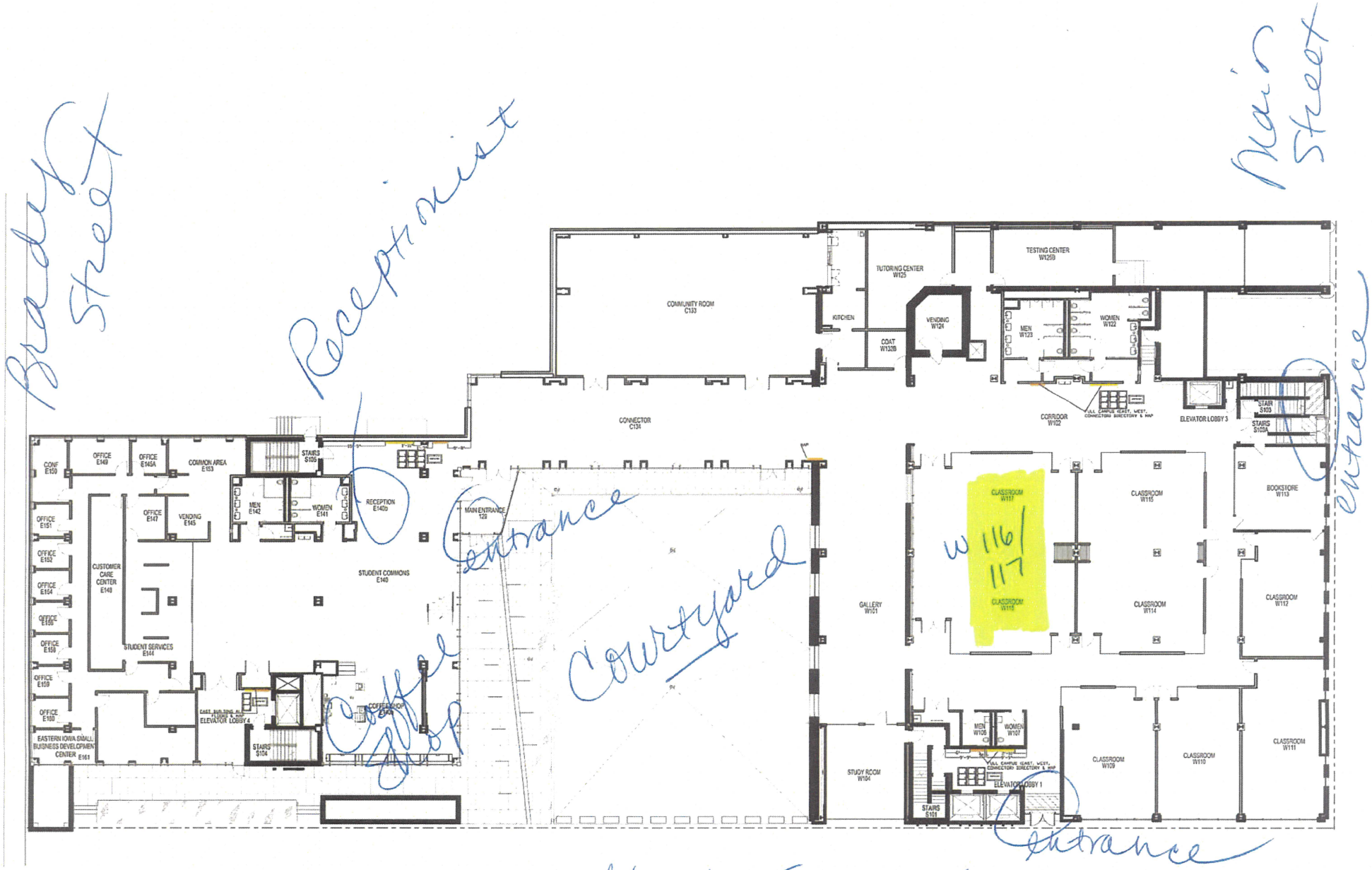
- *Visit Quad Cities* – Viking Cruises are officially coming to the QC. There will be a minimum of 8 ships to stop in the QC during the summer months, with a potential of up to 30 ships visiting. The Christkindlmarkt took place December 6-8 and had over 50 vendors participate. The festival partnered with BeckyFest and the Christmas Walk in the Village by providing transportation back and forth to the three simultaneous events. This year, the Holiday Train was able to make an appearance at 9 pm on December 7, during the Christkindlmarkt, outside the Freight House.

6. **Next Meeting**. The next meeting of the Quad Cities Riverfront Council will be January 28, 2020.

7. **Other Business**. There was no other business.

8. **Meeting Adjourned at 1:30 p.m.**

TC/sdg
P:\Users\Word\Minutes\QCRFC\QCRFC Minutes.docx



Third Street

Street Parking - 2 hours free

ECC/SCC 101 W. 3rd Street

Student Parking Pass

REDSTONE/HARRISON PARKING RAMPS

TOP FLOOR ONLY DESIGNATED PARKING SPACES

If the designated parking spaces are occupied, you may park as close to the EICC parking spaces as possible on TOP FLOOR ONLY.

NOTICE: Failure to follow these rules will result in an unavoidable parking citation.

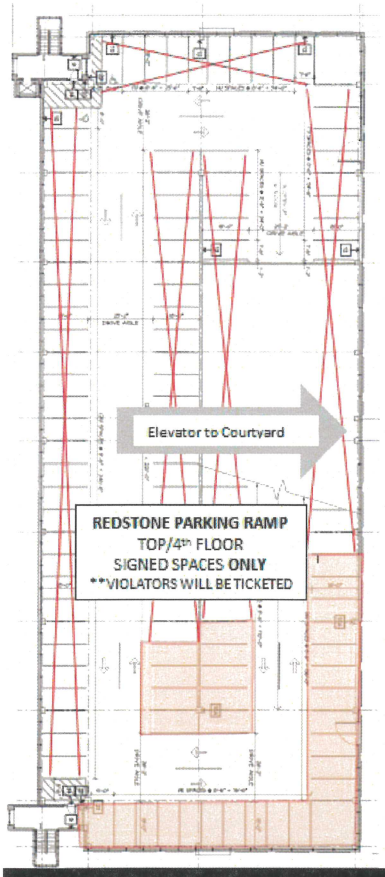
Date: _____

From _____AM/PM To _____AM/PM License Plate No: _____ State: _____

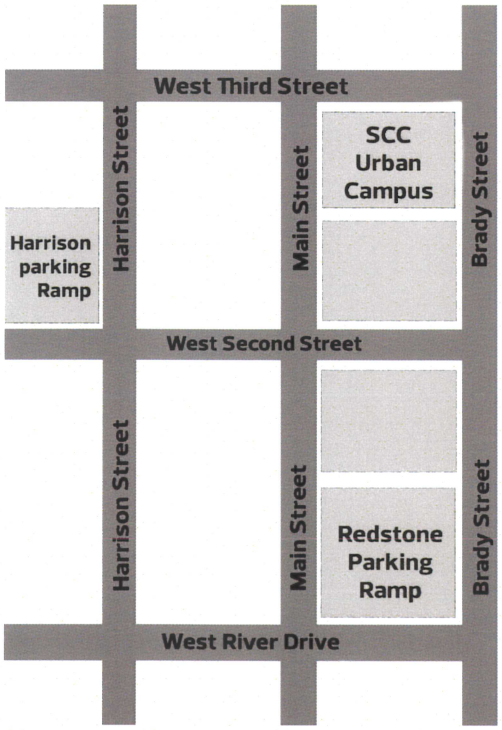
NOT VALID ON SUNDAY
DO NOT DUPLICATE
REPRODUCED COPIES NOT VALID
PARKING CITATION WILL BE ISSUED

DISPLAY ON DRIVER'S SIDE FRONT DASHBOARD

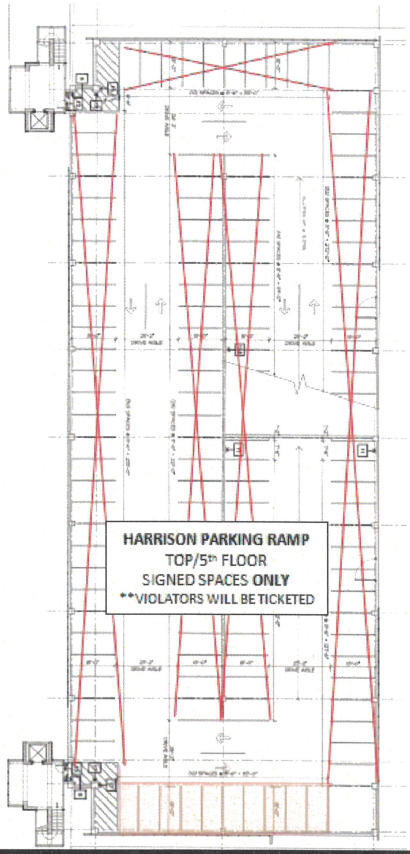
UPDATED 11-12-19



101 Main St., Davenport



THE Community's College



202 Harrison St., Davenport

Parking Ramp – Owned by the City of Davenport
EICC/SCC – not responsible for maintenance of the same

File Edit View Favorites Tools Help

Quad City Stormwater Conf...

Rock Island County Soil & Water Conservation District

Home | News & Events | Programs | Education | Sales and Rentals | Conservation Practices | Volunteer

Hanes Jobsite Dewatering & Flocculants by Dan Salsinger - 2

Iowa vs Illinois NPDES Manuals and Permits by Amy Kay & Casey Perry - 3

IA DNR MS4 Audits by Brian Lee - 4

IL EPA NPDES Permits by Todd Bennett - 5

USACE Status of WOTUS by Al Prolich - 6

IA Flood Center: Building a Flood Resilient Iowa by Breanna Shea - 7

City of Bettendorf Detention Basin Study by Brent Morlok - 8

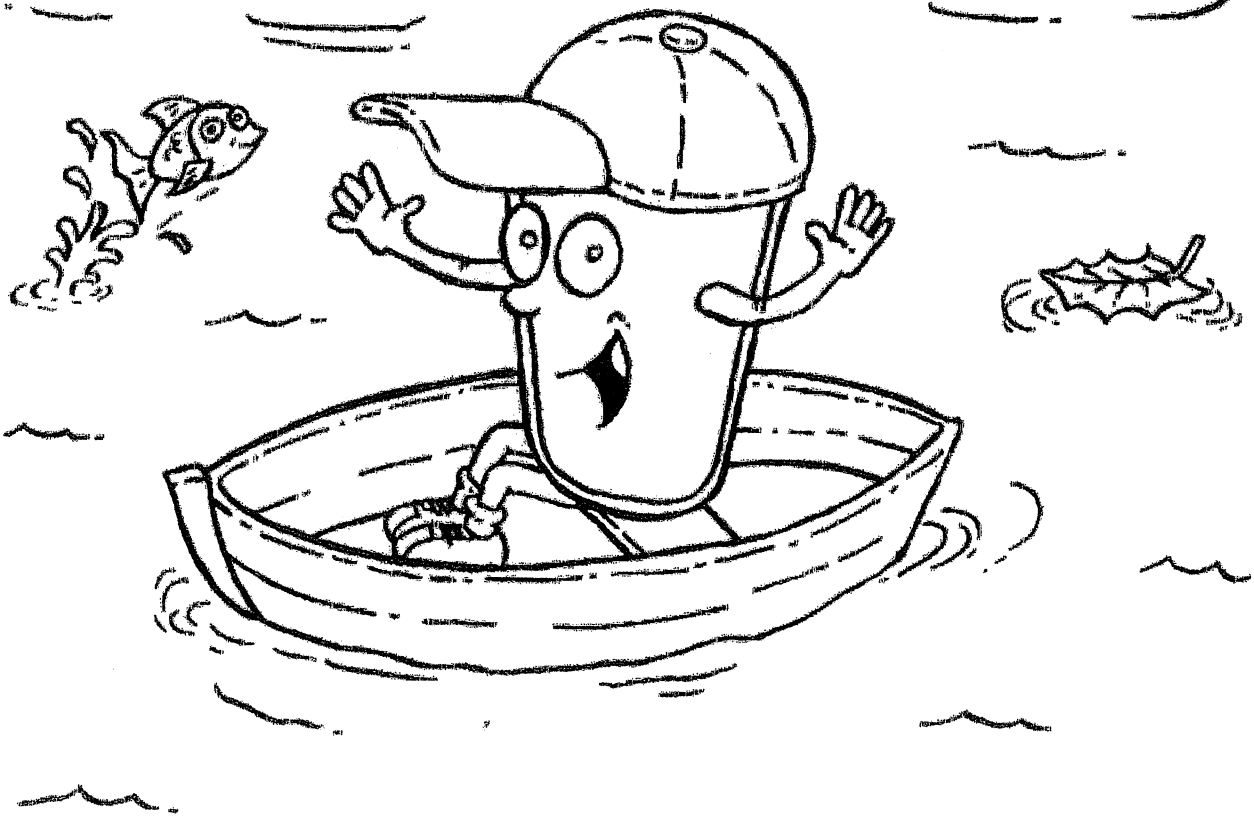
Agenda

Flyer

2019 Registration form

REGISTER HERE

Thirstin's Wacky WATER Adventure



CITY OF EAST MOLINE

City of East Moline
Committee of the Whole

City Council Chambers
915 16th Avenue
East Moline, IL 61244

DATE: MONDAY, June 17, 2019

TIME: Immediately Following the Regular Council Meeting

1	Babcock-Meersman Drainage Study	Kammler
2	3-7-6 License Fees – Class B License Amendment	Whiting
3	Commercial Vehicle Parking Prohibited – Ordinance Changes	Reynolds
4	Ordinance Amending Chapter 7 (Liquor Dealers) Article 7, Section 6 of the EM City Code	Maxeiner

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Title: Babcock-Meersman Drainage Study

Date: June 17, 2019

Agenda Item: #1 Presented By: Kammler - Engineering

Description:
Consulting Engineers from IMEG will present their study and recommendations for drainage improvements to the Babcock and Meersman subdivision areas.

This item is intended to present information and a forum for discussion.

FINANCIAL

Is this a budgeted item? Yes ___ No ___

Line Item# _____ Title: _____

Amount Budgeted: _____

Actual Cost: _____

Under/(Over): _____

Funding Sources:

_____ _____

_____ _____

Departments:

_____ _____

_____ _____

Is this item in the CIP? Yes X No ___ CIP Project Number: _____

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Any previous Council actions:

Action	Date
Retained IMEG, Inc. to Perform Regional Drainage Study (Resolution 18-58)	October 1, 2018

Recommendation:
Direct staff to develop funding options for consideration by Committee of the Whole.

Required Action:

ORDINANCE _____ RESOLUTION _____ NO ACTION REQUIRED X

Regular Meeting Date for Action July 1, 2019

Additional Comments:

MOTION BY _____ SECONDED BY _____

TO _____

CITY COUNCIL VOTES

VOTES	LARRY TOPPERT	GARY ALMBLADE	NANCY MULCAHEY	JAYNE O'BRIEN	FREDERIC KOTOKU	MARIA TAPIA	J.R. RICO
YES							
NO							
SENT							
ABSTAIN							

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Title: 3-7-6 License Fees; Class B License Amendment

Date: June 17, 2019

Agenda Item: #2 Presented By: Annaka Whiting - Finance Director

Description:
Currently a Class B license, which is issued only to clubs located within the City, states the following: ...entitle the licensee to sell for consumption only on the premises occupied by such club, such sales to be made only to members of such club in good standing and bona fide and invited guests for such members when accompanied by their hosts..." Staff proposes to amend the license to allow for retail sales of liquor, as outlined in a Class A license, but maintain the requirement that sales may still only be made to members or their guests.

The proposed language would read:
Class B license which shall be issued only to "clubs" as defined by this chapter and shall entitle the licensee to sell for consumption as well as other retail sales of liquor only on the premises permanently occupied by such club, such sales to be made only to members of such club in good standing and bona fide and invited guests for such members when accompanied by their hosts. Any class b licensee shall be fully equipped for the sale of liquor and other beverages by the drink, and shall comply with all health code requirements for a wet bar.

The license fee will remain at $1,000 annually, which is the same cost as a Class A license.

FINANCIAL

Is this a budgeted item? Yes n/a No ____

Line Item# _____ Title: _____

Amount Budgeted: _____

Actual Cost: _____

Under/(Over): _____

Funding Sources:

_____ _____

_____ _____

Departments:

_____ _____

_____ _____

Is this item in the CIP? Yes ____ No X CIP Project Number: _____

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Any previous Council actions:

Action	Date

Recommendation:
Staff recommends approval of the updated language to a Class B liquor license to allow for the retail sale of liquor for said licensee holders.

Required Action:

ORDINANCE X RESOLUTION _____ NO ACTION REQUIRED _____

Regular Meeting Date for Action July 1, 2019

Additional Comments:

MOTION BY _____ SECONDED BY _____

TO _____

CITY COUNCIL VOTES

VOTES	LARRY TOPPERT	GARY ALMBLADE	NANCY MULCAHEY	JAYNE O'BRIEN	FREDERIC KOTOKU	MARIA TAPIA	J.R. RICO
YES							
NO							
SENT							
ABSTAIN							

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Title: Commercial Vehicle Parking Prohibited Ordinance changes

Date: June 17, 2019

Agenda Item: #3 Presented By: Chief John W. Reynolds

Description:
At the June 3rd council meeting, there was discussion on commercial vehicles parking on 16th Avenue and the police department was directed to look into the issue.

Current ordinance 9-2-43 restricts commercial vehicles from parking in residence districts only. This ordinance is in Title 9 (Traffic) and Chapter 2 (Rules for Driving). Chapter 3 deals with parking rules and this would be a good time to move it to the proper chapter. Downtown Districts addressing 15th Avenue from 7th Street to 13th Street, 16th Avenue from 7th Street to 11th Street and 17th Avenue from 7th Street to 11th Street would be added to the residence district language to create a new ordinance. In order to change this ordinance, we would need to repeal 9-2-43 and then create a new ordinance dealing with both residence districts and downtown districts. The new ordinance would be 9-3-16 Commercial Vehicle Parking Prohibited.

(See attached ordinance language change)

FINANCIAL

Is this a budgeted item? Yes ___ No X

Line Item# _____ Title: _____

Amount Budgeted: _____

Actual Cost: _____

Under/(Over): _____

Funding Sources:

_____ _____

_____ _____

Departments:

_____ _____

_____ _____

Is this item in the CIP? Yes ___ No X CIP Project Number: _____

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Any previous Council actions:

Action	Date

Recommendation:
Repeal ordinance 9-2-43 and adopt a new ordinance with language from 9-2-43 and additional language addressing downtown districts.

Required Action:

ORDINANCE X RESOLUTION _____ NO ACTION REQUIRED _____

Regular Meeting Date for Action July 1, 2019

Additional Comments:

MOTION BY _____ SECONDED BY _____

TO _____

CITY COUNCIL VOTES

VOTES	LARRY TOPPERT	GARY ALMBLADE	NANCY MULCAHEY	JAYNE O'BRIEN	FREDERIC KOTOKU	MARIA TAPIA	J.R. RICO
YES							
NO							
SENT							
ABSTAIN							

9-3-16 COMMERCIAL VEHICLE PARKING PROHIBITED

(A) COMMERCIAL VEHICLES PROHIBITED FROM PARKING IN RESIDENCE DISTRICTS

1. It shall be unlawful for any person to park and leave unattended on any public street, right of way, or on private property within the city, located within or adjacent to a residential zoned district, any commercial vehicle, **except** that the following commercial vehicles shall be permitted to be parked on private property only:
    a. A motor vehicle bearing a "B" truck license as designated and issued by the Illinois secretary of state.
    b. A motor vehicle bearing a "D" truck license as designated and issued by the Illinois secretary of state.

2. A "truck tractor", as defined in section 9-1-1 of this title, shall be parked for a period of no longer than twenty four (24) hours, within any seven (7) day period on a residential tract. Only one truck tractor without trailer shall be permitted on a residential tract owned by the same property, at any one time. (Ord. 87-28, 10-5-1987)

3. All commercial trailers, as defined in section 9-1-1 of this title, are prohibited from parking on a residentially zoned property, on property adjacent to a residentially zoned district, or on streets or rights of way within a residentially zoned district. (Ord. 89-22, 8-21-1989)
4. This prohibition shall not apply to any vehicle parked in a residential district for the purpose of loading or unloading the vehicle for the minimum period of time necessary for said loading or unloading, nor shall it apply to a commercial vehicle enclosed within a building or private property.
5. The provisions of this section shall apply regardless of the state in which the vehicle is licensed. In cases where a vehicle is registered in a state other than Illinois, the equivalent state of Illinois licensing requirements shall be applied to the state where the vehicle is licensed.

(B) COMMERCIAL VEHICLES PARKING LIMITED

1. No person shall park a motor truck, semi-trailer, or other motor vehicle with trailer attached in violation of the following regulations. The provisions of this section shall apply to any vehicle requiring a license plate for a vehicle more than an 8,000 lb. license plate or Apportioned License plate as defined in 625 ILCS Chapter 5 Section 1.
2. No such vehicle shall be left standing or parked upon any street or alley between the hours of ten o'clock (10:00) p.m. and six o'clock (6:00) a.m. with the engine, auxiliary engine, air compressor, refrigerating equipment or other device in operation.
3. Downtown District: Excepting only when such vehicles are actually engaged in the delivery or receiving of merchandise or cargo, no person shall park or leave unattended such vehicle, in the following areas:
    a. On both the north or south side of 16th Avenue from 11th Street to 7th Street
    b. On both the north or south side of 17th Avenue from 11th Street to 7th Street
    c. On both the north or south side of 15th Avenue from 13th Street to 7th Street

(C) VIOLATION

Any person convicted of a violation of this section shall be fined a sum not less than twenty five dollars ($25.00) nor more than five hundred dollars ($500.00). Each day during which the violation continues shall be deemed a violation of this section.

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Title: Ordinance Amending Chapter 7 (Liquor Dealers) of Article 3, Section 6 of the East Moline City Code

Date: June 17, 2019

Agenda Item: #4 Presented By: City Administrator Doug Maxeiner

Description:

Murphy Park is a private, three-acre (more or less) music, theater and entertainment venue that intends to host frequent events. The developer/operator would like to sell alcohol at these events which would currently not be allowed under the existing liquor code for the City of East Moline.

Staff is proposing the creation of a new liquor license classification (E-2) that would apply to private, outdoor venues of less than four acres. The draft language restricts serving alcohol between the hours of noon and 10:00 PM on Sunday through Thursday and noon and midnight on Fridays and Saturdays (and evenings prior to state designated holidays). Any alcohol consumed in Murphy Park would need to have been purchased from the concession area in Murphy Park and only on days when an event is scheduled at this location. Consumption will not be allowed on public rights-of-way adjacent to Murphy Park. The other main restriction placed on the operation is that amplified sound or music shall end no later than 10:00 PM Sunday through Thursday and no later than midnight on Fridays, Saturdays, and evenings prior to state designated holidays.

FINANCIAL

Is this a budgeted item? Yes ___ No X

Line Item# _____ Title: _____

Amount Budgeted: _____

Actual Cost: _____

Under/(Over): _____

Funding Sources:

n/a - potential source of revenue

Departments:

Is this item in the CIP? Yes ___ No X CIP Project Number: _____

CITY OF EAST MOLINE

COMMITTEE OF THE WHOLE

Any previous Council actions:

Action	Date

Recommendation:
Staff recommends discussion and direction to staff to prepare the ordinance amending the liquor code creating the E-2 license classification.

Required Action:

ORDINANCE X RESOLUTION _____ NO ACTION REQUIRED _____

Regular Meeting Date for Action July 1st Regular City Council meeting

Additional Comments:

MOTION BY _____ SECONDED BY _____

TO _____

CITY COUNCIL VOTES

VOTES	LARRY TOPPERT	GARY ALMBLADE	NANCY MULCAHEY	JAYNE O'BRIEN	FREDERIC KOTOKU	MARIA TAPIA	J.R. RICO
YES							
NO							
SENT							
ABSTAIN							

Creation of New Liquor License Classification – Murphy Park

Class E-2 license shall entitle the licensee to dispense and sell alcoholic beverages only under the following specific conditions:

1. Venue: This license shall apply to private outdoor venues designed specifically for music, theater or entertainment acts. This license is specifically intended for venues of less than four acres.
2. Fee: This license will be valid from May 1st to April 30th each year and the fee for the Class E-2 license shall be one thousand dollars ($1,000) per annum.
3. Hours Permitted: Licensee will be permitted to dispense alcohol at this specific outdoor venue between the hours of noon (12:00 PM) and 10:00 PM on Sunday through Thursday and between the hours of noon (12:00 PM) and midnight (12:00 AM) on Fridays and Saturdays (and evenings prior to a state designated holiday or when a special event permit is issued) and only on days when music, theater or entertainment acts are scheduled to perform or a festival, art fair, or other special event is scheduled for the venue. Alcohol sales and the dispensing of alcohol shall be discontinued no later than 15 minutes prior to the conclusion of the final performance of the day or when the festival, fair or special event is scheduled to close for the day.
4. Consumption on Premises Only: The consumption of alcohol shall be limited to the licensed venue and shall not be allowed on public rights-of-way adjoining the venue including sidewalks and streets. This license does not provide for the sale of package liquor for consumption off-premises.
5. Disposable Containers: All alcoholic beverages sold at this venue are to be sold in disposable containers.
6. Concessions and Sales Location: Licensee shall provide a concession area for alcoholic beverages which shall be the only place where alcoholic beverages will be sold on the premises. No alcoholic beverages shall be allowed to be brought into the venue by

attendees and any alcohol consumed on site must be purchased from the license holder at the venue.

7. Age Restrictions: All concessions personnel responsible for selling alcoholic beverages at the venue shall be at least twenty-one (21) years of age.
8. Enforcement: Licensee shall consult with the East Moline Police Department to determine the number of police officers present at each event at which alcoholic beverages are sold or dispensed.
9. Noise. All amplified sound or music, and whether live or recorded, shall end at 10:00 PM on Sundays through Thursdays, and at midnight (12:00 AM) on Fridays, Saturdays and evenings prior to state designated holidays.

915 16TH AVENUE
EAST MOLINE IL 61244
309-752-1530

CITY OF EAST MOLINE
WATER DEPARTMENT

PAY BY PHONE: 1-800-785-5195
PAY ONLINE: www.xpressbillpay.com

Customer Account Number		Customer Type
[redacted]		RES INSIDE
Due Date 09/16/2019	Amount Due 194.52	After Due Date 212.86
Service Address [redacted]		Amount Enclosed

MAKE CHECK PAYABLE AND MAIL YOUR PAYMENT TO:

**********AUTO**SCH 5-DIGIT 61236 AA 3993 1/1-P11 T11

[redacted]
EAST MOLINE IL 61244-3442

CITY OF EAST MOLINE
WATER DEPARTMENT
915 16TH AVENUE
EAST MOLINE IL 61244

Please detach top portion and return with payment

Account Number [redacted]
QUESTIONS PLEASE CALL
(309) 752-1530

Name [redacted]

Service Address [redacted]

Type of Service	Meter ID	Read Dates Previous	Read Dates Current	Meter Readings Previous	Meter Readings Current	Usage in 100 cf
WATER USAGE	19000121	07/15/19	08/14/19	547	561	14

Messages

Leaves will be falling soon!

Please keep all storm drains and drainageways free from leaves, sticks, twigs, burn piles, etc. to prevent flooding for you and those upstream of you.

Burn days are Mon, Wed,& Sat, or yard waste disposal options can be found at https://www.eastmoline.com/178/Yard-Waste.

Billed Usage

PREVIOUS BILL		57.60	
ADJUSTMENT(S)		.00	
PAYMENT(S)		57.60-	
BALANCE FORWARD			**.00**
WATER CHARGES	14	101.46	
WATER BILLING FEE		2.82	
SEWER CHARGES	14	72.80	
SEWER BILLING FEE		2.73	
STORM WATER		2.61	
GARBAGE FEE		8.45	
CURB SIDE RECYCLING		3.65	
CURRENT CHARGES		194.52	
TOTAL AMOUNT DUE		**$194.52**	

Mail Correspondence to:

CITY OF EAST MOLINE WATER DEPARTMENT
915 16TH AVENUE
EAST MOLINE IL 61244

Customer Account Number	Bill Date	Due Date	Amount Due	After Due Date
[redacted]	08/30/2019	09/16/2019	194.52	212.86

PAY BY PHONE: 1-800-785-5195
PAY ONLINE: www.xpressbillpay.com

[redacted]

[redacted]

[redacted]

[redacted] [redacted] [redacted]

[redacted]

Find out more about what our regional offices are doing for environmental justice in your community!

Region 1 (CT, MA, ME, NH, RI, VT)
5 Post Office Square - Suite 100
Boston, MA 02109
Phone: 617-918-1111

Region 2 (NY, NJ, PR, VI)
290 Broadway, 26th Floor
New York, NY 10007
Phone: 212-637-3000

Region 3
(MD, DE, DC, PA, VA, WV)
1650 Arch Street
Philadelphia, PA 19103
Phone: 215-814-5000

Region 4
(AL, FL, GA, KY, MS, NC, SC, TN)
61 Forsyth Street, SW
Atlanta, GA 30303
Phone: 404-562-9900

Region 5 (IL, IN, MI, MN, OH, WI)
77 West Jackson Blvd. (MC T-17J)
Chicago, IL 60604-3507
Phone: 312-353-2000

Region 6 (AR, LA, NM, OK, TX)
1445 Ross Ave, Suite 1200
Dallas, TX 75202-2733
Phone: 214-665-2200

Region 7 (IA, KS, MO, NE)
11201 Renner Blvd.
Kansas City, KS 66219
Phone: 913-551-7003

Region 8 (CO, MT, ND, SD, UT, WY)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6312

Region 9
(CA, AZ, HI, NV, Pacific Islands)
75 Hawthorne Street
San Francisco, CA 94105
Phone: 415-947-8000

Region 10 (AK, ID, OR, WA)
1200 Sixth Ave (MD-142)
Seattle, WA 98101
Phone: 206-553-1200

Tools and Products for Environmental Justice Action

OEJ programs have established the following tools and resources to facilitate and support the incorporation of environmental justice considerations into agency actions. These cross-cutting efforts aim to create consistency and clarity around how EPA identifies and addresses environmental justice concerns.

EJSCREEN

To better meet the Agency's responsibilities related to the protection of public health and the environment, EPA has developed an environmental justice mapping and screening tool. EJSCREEN provides users with a nationally consistent dataset and approach for combining environmental and demographic indicators. EPA made this tool publicly available online to be more transparent about how we consider environmental justice in our work, assist our stakeholders in making informed decisions, and create a common starting point for dialogue with partners and the public. It can be found at: https://www.epa.gov/ejscreen.

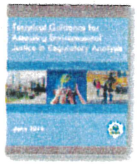
Policy

EPA released two documents related to the consideration of environmental justice during rulemaking processes. The first of these, Guidance on Considering Environmental Justice During the Development of an Action, fosters an understanding and ensures consistency by EPA staff as they consider environmental justice during rulemaking actions. The second document, Technical Guidance for Assessing Environmental Justice in Regulatory Analysis, provides the technical underpinnings to fully consider environmental justice during rulemakings. Both documents can be found on https://www.epa.gov/environmentaljustice.

Training and Workshops

OEJ provides training and coordinates workshops for internal and external stakeholders on a broad range of issues relating to environmental justice and equitable development. OEJ ensures that Agency staff are trained on the most current data and resources available for the successful integration of environmental justice principles in their work. OEJ continually engages the public and other governmental partners to enhance the tools, methods, and practices for full integration and consideration of environmental justice concerns.

Science



Science plays an important role in providing a strong basis for action to protect the health and environment of populations that may be especially vulnerable to environmental hazards. EPA's new technical guidance for assessing environmental justice in regulatory actions was developed with participation from the public. OEJ is working with the Office of Research and Development to implement a new Environmental Justice Research Roadmap, which integrates environmental justice-related research across six National Research Programs. To read about these scientific developments, visit: https://www.epa.gov/environmentaljustice/ej-2020-resources#documents

Environmental Justice Legal Tools

The Legal Tools Development document, developed by EPA's Office of General Counsel, provides an overview of several discretionary legal authorities that EPA may consider using to more fully ensure that its programs, policies, and activities fully protect human health and the environment in minority and low-income communities. Some of the tools identified are already in use today; others have not yet been applied in an environmental justice setting. EJ Legal Tools is not a document prescribing when and how the Agency should undertake specific actions.

EPA

Pub Number
Date

For More Information

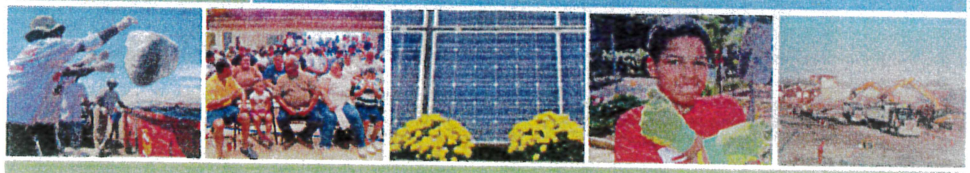
To find out more about the Office of Environmental Justice, please call 202-564-2515, or visit: www.epa.gov/environmentaljustice

Call the EJ Hotline for a direct way to provide feedback and ask questions related to environmental justice. Call the Hotline at 1-800-962-6215 or email ejhotline@epa.gov.

EPA

www.epa.gov/environmentaljustice

Office of Environmental Justice in Action



About the Office of Environmental Justice

For over 25 years, OEJ has worked to address the disproportionately adverse human health and environmental impacts in overburdened communities by integrating environmental justice considerations throughout the Agency.

Created in 1992, the Office of Environmental Justice (OEJ) coordinates Agency efforts to address the needs of vulnerable populations by decreasing environmental burdens, increasing environmental benefits, and working collaboratively to build healthy, sustainable communities. OEJ provides financial and technical assistance to communities working constructively and collaboratively to address environmental justice issues. The Office also works with local, state, and federal governments; tribal governments; community organizations; business and industry; and academia, to establish partnerships seeking to achieve protection from environmental and health hazards for all people regardless of race, color, national origin, or income.

To accomplish this mission, OEJ has created the following programs, policies, and activities to assist communities in building their capacity; to better engage federal agencies to help them understand environmental justice issues; to incorporate the voices of communities into agency decisions; and to provide tools and resources for promoting the principles of environmental justice.

Strategic Opportunities for Advancing Environmental Justice

An integral part of the Agency's mission is to focus our attention on the environmental and public health challenges that face our nation's minority, low-income, tribal, and indigenous populations. Our approach is both collaborative and strategic – working with partners to create holistic solutions that make a difference in communities through better policies, tools, and application of resources. These approaches have been captured through successive EJ strategic plans for the Agency.

The first of these plans largely focused on the creation of better tools, policies, and guidance to fill important gaps. Currently we are focused on three main strategic areas.

- We strive to strengthen and expand our governmental partnerships, particularly focused on the proactive efforts of state, tribal, and local governments to advance environmental justice.
- We are also focused on the implementation and use of the tools and guidance created previously in a way that is measurable and significant.
- We endeavor to demonstrate measurable progress on significant issues, including reducing disparities in childhood blood lead levels and working to ensure that all people served by small community and tribal water systems have drinking water that meets applicable health-based standards.

Did You Know?

November 2, 2017 marks the 25th anniversary of the creation of the EPA's Office of Environmental Justice.

OEJ Milestones

- 1990 — Environmental Equity Work Group was formed.
- 1991 — Office of Environmental Equity was formed, which became the Office of Environmental Justice.
- 1992 — National Environmental Justice Advisory Council was established.
- 1993 — President Clinton issued EO 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, establishing the Inter-agency Working Group on Environmental Justice.
- 1994 — Environmental Justice Small Grants Program was established.
- 1995 — First National Interagency Environmental Justice Public Meeting was held (EJ IWG Formed).
- 1996 — EPA and the President's Council on Environmental Quality convened their 1st listening session.
- 1997
- 1998
- 1999
- 2000 — The National Environmental Justice Training Collaborative was formed.
- 2001 — EPA issued the memorandum, "Statutory and Regulatory Authorities Under Which Environmental Justice Issues May Be Addressed in Permitting."
- 2002 — EPA offices developed and began implementing environmental justice action plans.
- 2003
- 2004 — The EJ Collaborative Problem-Solving Cooperative Agreement Program was launched.
- 2005 — EPA issued the "EJ Toolkit for Assessing Potential Allegations of Environmental Injustice" to assist staff in conducting environmental justice assessments.

Environmental Justice Integration

The EPA actively seeks to incorporate the principles of environmental justice at all levels of the Agency. In addition to developing a strategic plan that directly support the integration of environmental justice considerations internally and with other federal officials, the Agency partners with federal, state, local, and tribal departments, as well as with other stakeholders in communities, business and industry, academia, etc., to assist in the consideration and incorporation of environmental justice into their practices and processes.

The Federal Interagency Working Group on Environmental Justice (EJ IWG)

The EJ IWG works to integrate the principles of environmental justice through the collaboration of 17 federal agencies and White House offices. Through the EJ IWG, the federal government assists overburdened and under-served communities in the implementation of comprehensive solutions to local environmental and human health challenges. The EJ IWG strives to ensure the federal government is: accessible to communities and other stakeholders working to address environmental justice concerns; aware of the environmental justice issues confronting communities to facilitate coordinated and collaborative federal assistance; and accountable to explain federal efforts to achieve environmental justice.

International Human Rights & Rights of Indigenous Peoples

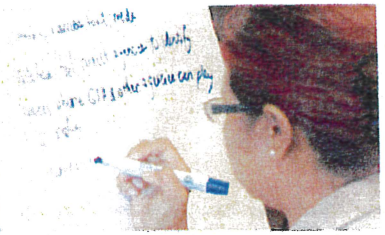
EPA collaborates with the U.S. State Department and other federal agencies to engage other countries in sharing best practices and approaches to provide environmental and public health protection to vulnerable populations. EPA conducts this work to help fulfill the U.S. international human rights treaty obligations.

National Environmental Policy Act (NEPA)

NEPA provides a framework to foster effective, efficient, and consistent consideration of environmental justice for decision-making on federal actions that affect the environment and human health. The Promising Practices for Environmental Justice Methodologies in NEPA Reviews, a compilation of approaches gleaned from a 4-year review of agency practices by more than 200 federal NEPA practitioners, consists of nine sections that provide guiding principles and specific steps to consider during the NEPA process. Federal agencies are implementing the Promising Practices through a variety of mechanisms, including cross-department briefings and trainings, publications (e.g. articles, FAQs), and stakeholder engagement.

Title VI of the Civil Rights Act of 1964

In accordance with Title VI of the Civil Rights Act of 1964, each federal agency is required to ensure that all programs or activities receiving federal financial assistance do not discriminate against recipients in any way based on race, color, or national origin. OEJ works closely with the EPA's External Civil Rights Compliance Office to share best practices, lessons learned, approaches, and tools to help prevent or resolve potential civil rights complaints.



Direct Support

The EPA provides direct support through financial and technical assistance to vulnerable, low-income, minority, and tribal communities seeking to understand and develop holistic solutions to their environmental and public health challenges. These resources are allocated to improve the quality of the air, land, and water so that communities may live, work, play, pray, and go to school in healthier, more sustainable environments.

Financial Resources for Creating Healthy, Sustainable & Equitable Communities

OEJ works directly with communities to implement solutions that address local environmental and health concerns. The Office provides financial assistance through two opportunities:

- the Environmental Justice Small Grants Program, which supports small projects that assist communities as they develop their visions for revitalization.
- the Collaborative Problem-Solving Cooperative Agreement Program, which supports implementation level projects as communities seek to apply holistic solutions to their most pressing challenges.

These competitive grant opportunities support overburdened and underserved populations and create self-sustaining, community-based partnerships to improve local environments and public health. As of 2016, since its inception, the Office has awarded more than $36 million in financial assistance to nearly 1500 community-based organizations.

To find out more about either of the financial assistance programs or the impact made by funded projects please visit: https://www.epa.gov/environmentaljustice/environmental-justice-grants-funding-and-technical-assistance

Technical Assistance Services for Communities (TASC) Program

Through the EPA's national Technical Assistance Services for Communities (TASC) program, communities enhance their ability to be meaningfully involved in the decision making process by learning how to better understand the science, regulations, and policies of environmental issues and EPA actions. The TASC program benefits communities by explaining technical findings and answering community questions, helping them understand complex environmental issues, and supporting their active roles in protecting healthy communities and advancing environmental protection. The TASC program can also provide opportunities for environmental education, bring diverse groups together, and strengthen community engagement.

TASC services can include: information assistance and expertise, community education, information assistance needs evaluation, and plan development other assistance to help community members work together to participate effectively in environmental decision-making.

Partnerships and Engagement

The EPA recognizes the necessity of meaningfully engaging stakeholders, such as through public participation, in an effort to sustain partnerships and involve those who are affected in the decision-making process so that future decisions may best serve the interests of our most vulnerable communities. The Agency continues to encourage public stakeholder engagement as a critical component of community revitalization.

National Environmental Justice Advisory Council (NEJAC)

The mission of NEJAC is to provide independent advice and recommendations to the EPA Administrator about broad, crosscutting issues related to environmental justice. NEJAC also holds public meetings to receive comments, questions, and recommendations regarding environmental justice issues. Since 1993, NEJAC has developed dozens of recommendation reports and advice letters to help the agency better address the needs of disadvantaged and underserved communities.

To read NEJAC's reports or the twenty-year retrospective of its activities and impact, visit: https://www.epa.gov/environmentaljustice/nejac

Tribal Consultation & Indigenous People's Engagement

To engage more effectively with federally-recognized tribes and all other indigenous peoples on their priority environmental and public health concerns, the Agency is working to implement the EPA Policy on Environmental Justice for Working with Federally Recognized Tribes and Indigenous Peoples. Under the leadership of OEJ, EPA is implementing this Policy in coordination and collaboration with tribes, other federal agencies, states, indigenous organizations, and all other interested stakeholders, as well as addressing issues raised within the context of international human rights treaty obligations.

To learn more about OEJ's efforts on addressing tribal and indigenous environmental and public health issues, visit: https://www.epa.gov/environmentaljustice/environmental-justice-tribes-and-indigenous-peoples.

- 2006 — EPA funded the Environmental Justice Showcase Communities Program.
- 2007
- 2008
- 2009 — EPA held a science symposium to examine disparities in environmental health.
- 2010 — EPA introduced Plan EJ 2014.
- 2011 — EPA created youth workshops to accompany the NEJAC public engagement meetings.
- 2012 — The White House hosted an environmental justice forum with 5 cabinet members.
- 2013 — The White House convened the first IWG meeting in 10 years.
- 2014 — The NEJAC Indigenous Peoples Work Group was formed.
- 2015 — The EJ MOU was signed by 17 IWG Federal agencies.
- 2016 — The EJ in Action Blog was launched.
- 2017 — EPA issued the Policy on Environmental Justice for Working with Federally Recognized Tribes and Indigenous Peoples.
- EJ Legal Tools was unveiled.
- The EJSCREEN mapping tool was released.
- The NEPA Promising Practices report was released.
- The EJ 2020 Action Agenda was issued.
- The EJ Technical Guidance report was released.
- The EJ IWG Framework for Collaboration 2016-2018 was released.

EJSCREEN Report (Version 2018)

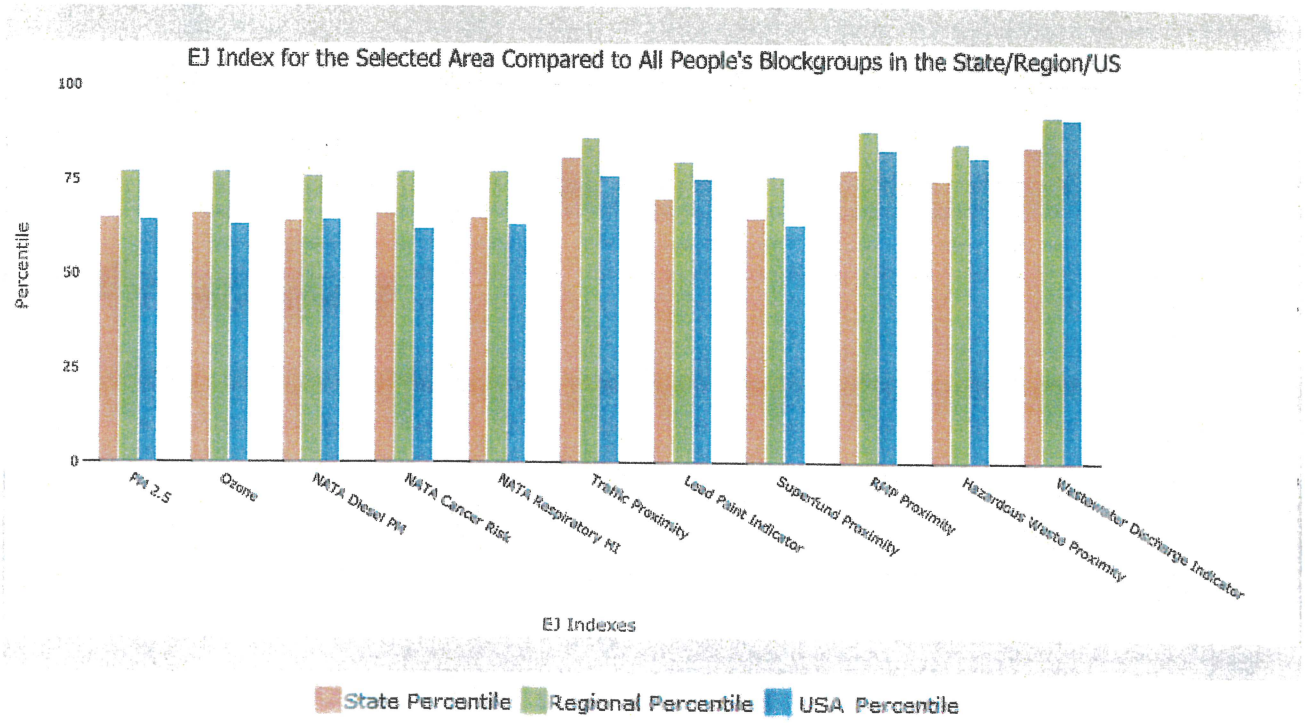
1 mile Ring Centered at 41.515260,-90.439870, ILLINOIS, EPA Region 5

Approximate Population: 7,916

Input Area (sq. miles): 3.14

east moline

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	65	77	64
EJ Index for Ozone	66	77	63
EJ Index for NATA* Diesel PM	64	76	64
EJ Index for NATA* Air Toxics Cancer Risk	66	77	62
EJ Index for NATA* Respiratory Hazard Index	65	77	63
EJ Index for Traffic Proximity and Volume	81	86	76
EJ Index for Lead Paint Indicator	70	80	75
EJ Index for Superfund Proximity	65	76	63
EJ Index for RMP Proximity	78	88	83
EJ Index for Hazardous Waste Proximity	75	85	81
EJ Index for Wastewater Discharge Indicator	84	92	91



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJSCREEN Report (Version 2018)

1 mile Ring Centered at 41.515260,-90.439870, ILLINOIS, EPA Region 5

Approximate Population: 7,916

Input Area (sq. miles): 3.14

east moline

May 23, 2019

Digitized Point

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	2

EJSCREEN Report (Version 2018)

1 mile Ring Centered at 41.515260,-90.439870, ILLINOIS, EPA Region 5

Approximate Population: 7,916

Input Area (sq. miles): 3.14

east moline

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m³)	10.7	12.1	4	10.8	30	9.53	72
Ozone (ppb)	42.3	43.3	17	42.6	34	42.5	47
NATA* Diesel PM (µg/m³)	0.732	1.28	25	0.932	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	34	36	45	34	50-60th	40	<50th
NATA* Respiratory Hazard Index	1.4	1.9	35	1.7	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	300	510	68	370	73	600	69
Lead Paint Indicator (% Pre-1960 Housing)	0.57	0.41	64	0.38	72	0.29	80
Superfund Proximity (site count/km distance)	0.029	0.091	21	0.12	28	0.12	33
RMP Proximity (facility count/km distance)	2	1.1	83	0.81	89	0.72	90
Hazardous Waste Proximity (facility count/km distance)	4	2.1	84	1.5	90	4.3	87
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.0097	0.44	57	4.2	73	30	80
Demographic Indicators							
Demographic Index	37%	34%	63	28%	74	36%	60
Minority Population	37%	38%	58	25%	76	38%	57
Low Income Population	38%	31%	66	32%	66	34%	61
Linguistically Isolated Population	4%	5%	65	2%	81	4%	68
Population With Less Than High School Education	17%	12%	76	10%	81	13%	71
Population Under 5 years of age	7%	6%	61	6%	63	6%	60
Population over 64 years of age	16%	14%	66	15%	61	14%	64

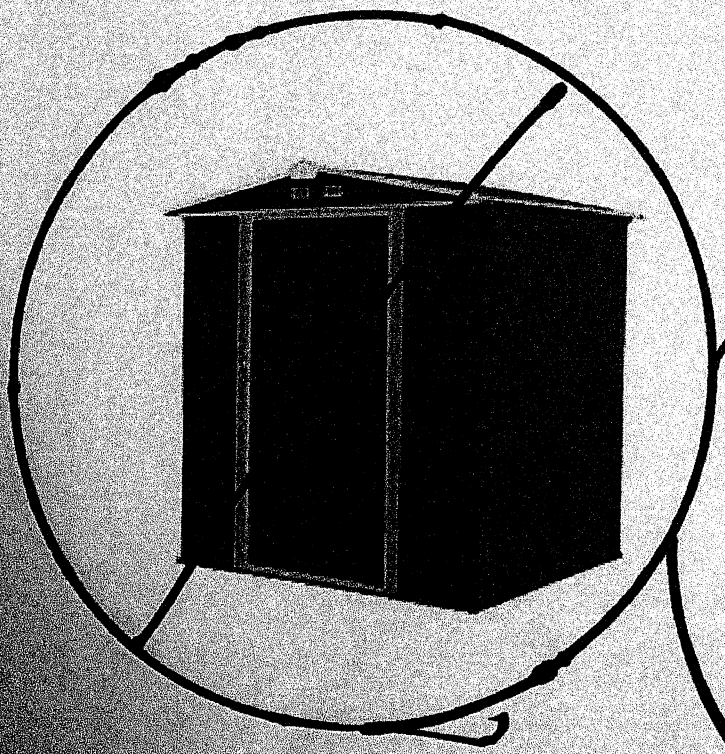
* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

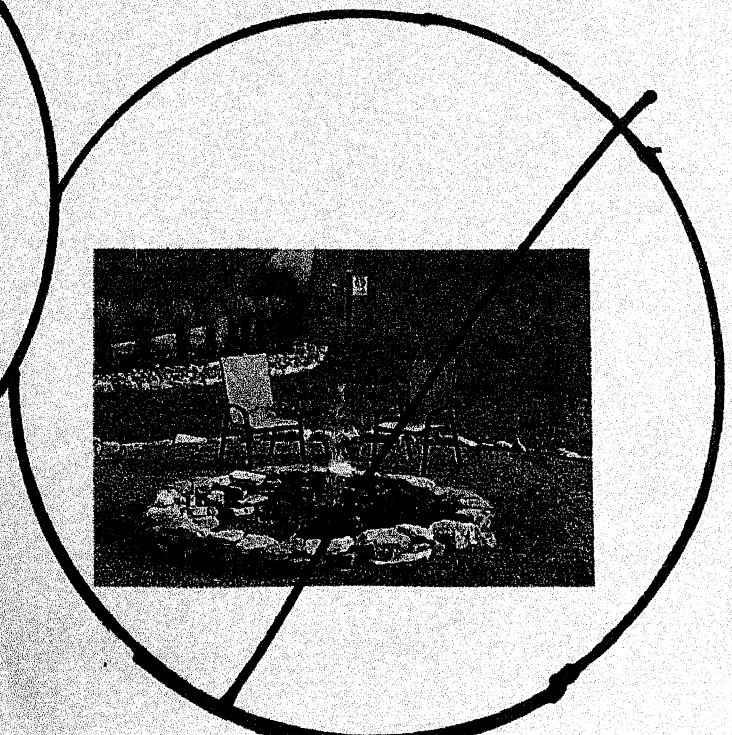
For additional information, see: www.epa.gov/environmentaljustice

COURTESY NOTICE

This notice is regarding the property along the north alley of 15th Avenue. Specifically the north side of the alleyway. Recent construction is complete, new fire hydrants have been installed and "No Parking This Side of Street" signs have been placed along this northern side. There is to be no parking, burning, storing or erecting of any structure. No constructing burn pits, storage areas, parking areas or dumping of any sort. This includes any vehicle, trailer, recreational vehicle, recreational trailer, machinery etc., which is enforceable under City Ordinance 9-11-1.

In an effort to clean this area up please remove anything that may belong to you or is your property. This means anything mentioned previously. This property is owned by the City of East Moline and/or the Railroad Company. If you have a structure such as a storage shed, burn pit or something that was built at your expense, please have it removed within 30 days.





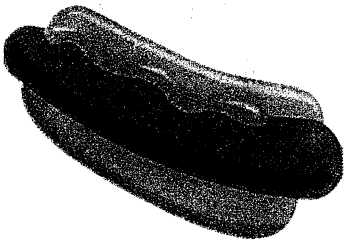
2018

WATERTOWN ANNUAL SPRING CLEAN UP!

Saturday
April 21st
8:30 – Noon

Meet at the EMFD
1523 Morton Drive

BREAKFAST
AND LUNCH
WILL BE PROVIDED



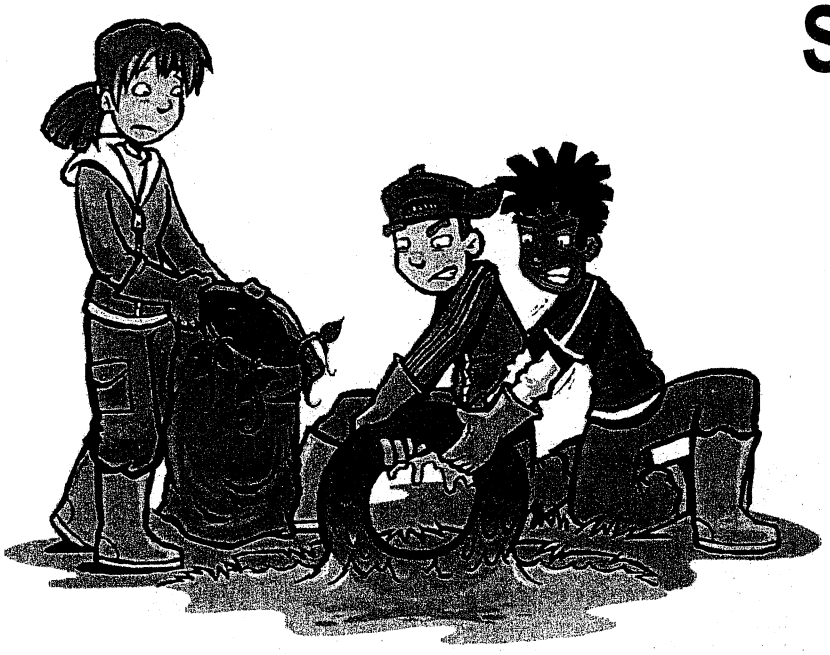
BULKY ITEM PICKUP - Monday, APRIL 16TH

City wide spring clean up (bulky items) will take place the week of April 17-21st

Place collection items to curb by 7:00 a.m. No trash cans (they'll be taken) and there is a 50 lb weight limit. NO appliances, tires, hazardous waste, construction materials, TV's and yard waste.

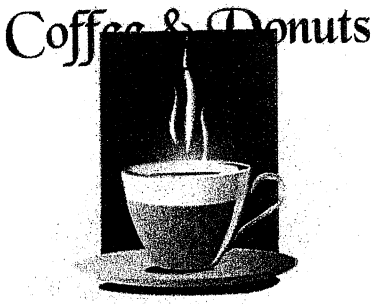
Any questions, please call 752-1573.

WATERTOWN ANUAL
LIMPIEZA DE PRIMAVERA

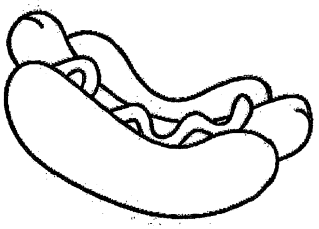


Sabado, 21 Abril
8:30 – Mediodia

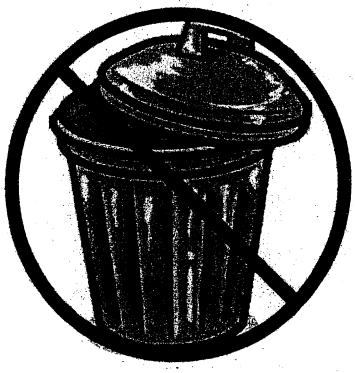
Nos reuniremos
en la Estación
de Bomberos
1523 Morton Drive



SE PROVEERA
DESAYUNO Y
ALMUERZO



COLECCIÓN de grandes cosas - lunes, 16 de abril



Limpieza de primavera por toda la ciudad (cosas grandes)
se llevara a cabo la semana del 17 de Abril.

Por favor pong alas cosas que va a tirar en la banqueta par alas 7:00 a.m.
No use botes de basura (seran llevados) y hay un limite de 50 libras. NO aparatos electricos, llantas, materials peligrosos y/o de construcción, televisiones y tampoco basura de la yarda.

Preguntas, favor de llamar al 752-1573.

2019

2019 Spring Clean Up

April 15 – 19

ON YOUR REGULAR

GARBAGE DAY

2019 Spring Clean Up
April 15 – 19
ON YOUR REGULAR
GARBAGE DAY

2019 Spring Clean Up
April 15 – 19
ON YOUR REGULAR
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GARBAGE DAY

2019 Spring Clean Up
April 15 – 19
ON YOUR REGULAR
GARBAGE DAY

Erica Williams

From: Michelle Horton <michellehorton3341@gmail.com>
Sent: Wednesday, May 22, 2019 12:55 PM
To: Erica Williams
Subject: Clean up
Attachments: Scan 10.pdf

Hello! I sent as an attachment or as text if you need to cut and paste or add! ~Michelle

To whom it may concern:

As a group who serves individuals with a variety of challenges we have been working hand in hand with the City of East Moline to assist with clean up in not only Downtown East Moline, but Beacon Harbor (The quarter) & City Parks. (Empire Park, Mitchell Park, Wiman Park, Millennium, Butterworth Park and now Runners Park). We have also assisted in areas that may need attention off 7th Street and 16th-17th Avenue.

Monday thru Thursday we have a group of 3-6 people picking up litter throughout the area from typically 10-2pm daily. We now have an additional team of 2 that goes out routinely to 17th Avenue hill. We rotate designations so we can visit at least 1-2x a month at area parks and a daily routine Downtown.

On Wednesdays we work with United Township Alternative Education students who also assist with keeping our parks clean. We recently have been cleaning at Jacobs Northeast Park each week too.

We continue our efforts year round and go out as weather permits. As we grow the amount of hands to assist our effort to make our City the best it can be increases.

Twice a year we also organize a East Moline Cleanup with our community. In past endeavors we have had up to 30-40 additional hands to assist with Spring Clean up in our area. We now have our own hashtag #benddownandpickitup in which we let the public know that if the individuals who have physical disabilities can pick up litter, everyone can. We have had community members tag us when they stopped to pick up litter in our wonderful city. It takes a village and we have a wonderful support system established with Park and Recreation department in East Moline that we are very thankful for.

Michelle Horton
Respect Abilities, Inc

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Michelle Horton
Respect Abilities, Inc

Respect Abilities, Inc.
309-281-1062

East Moline City Clean UP ★ April 15 – 19

Volunteers will be working daily from 9:30-6:30

Starting at the 600 Block – Juniors, Jaded Java, Craft Corner, Van Hoe's, Bornhoeft's, Van Den Berghe's Insurance Agency, everyone from 6th to7th Street. What can we do for you? Can we haul away trash, plants flowers, clean up landscape, paint trip hazards or clean your windows inside and out? We are offering. No other City offers this assistance.

Moving on The Palace to Runners Park, Frontline, Hair Affair, QC Marathon, Girard Marketing. We will be cleaning up the park, moving the large ground planters all along 15th Avenue, getting them spaced and ready for planting. No need to worry about it, we got you covered. How can we help, front of your building needing a fresh coat of paint, need help with curb appeal? Power Washing, we have the equipment and the man power.

Ok 800 Block it's your turn – Potteramics, Bullseye, Phoenix. Let's get ready for Company. Our event season will attract lots of people and it's your turn to have our help. Touch ups, ideas, resources we got 'em. Let's make this City Sparkle.

9th – 10th Street – War Memorial Park and the park bench on the corner of the EMPD parking lot will get some attention. But what can we do for you the businesses. Sharon's do you need help getting cleaned up to sell? The Keg, Racer's Edge, LCV. Do you have window space, but nothing displayed – WE can help with that. Let's get this Downtown looking GOOD. Just tell us what we can assist you with.

11th Street – 13th Avenue – Dance Connection, Abel Zertuche, Hey Bryan's, Cones on the Corner, Silver Spur and everyone in between. Let's get some of those cars moved, large scrap picked up, empty lots cleaned up and organized. Don't be bad neighbors. We are here to assist with those projects that seem too big to handle on your own. We are Happy TO Help.

NO TASK TO LARGE OR TO SMALL
Contact Michelle Horton
309-716-4954

Courtesy Notice

This notice is in regard to the vacant property north of the alley behind your residences along 15th Avenue. The property north of the alley is owned by the BNSF Rail Road and the City of East Moline. BNSF and the City of East Moline are working together to clean up the right of way/property in an effort to enhance the city and the rail road corridor. The City understands that it has been common practice for the residents along the alley to use portions of the right of way for parking, fire pits, storage, sheds and other means and activities, but that is no longer allowed and is being enforced. As such, the city has placed no parking signs and is requiring that all items, up to and including, sheds, fire pits, vehicles, trailers, machinery, etc, be removed by **February 29th, 2020**. Any items remaining after that date; will be tagged, ticketed, and towed/removed. Please make arrangements to have all of your items removed appropriately.

The City of East Moline and the BNSF Rail Road are taking this very seriously and operating with a zero-tolerance policy beginning **March 1, 2020**. This is enforceable under City Ordinance 9-11-1, and an agreement with BNSF dated 5/16/16. If you have questions, please direct them to the City of East Moline Police Department at 309-752-1555.

- 1st Sunday $8 all you can eat
- BINGO
flea/sale

BI-CAN

Bi-State Conservation Action Network

DAY OUT WITH BIRDS

BREAKFAST INCLUDED!

BICAN Networking Meeting
February 18, 2020
8:30 a.m. - 10:30 a.m.

at Izzak Walton League
8440 N Harrison St.
Davenport, IA 52806

Schedule

8:30 Breakfast served
8:45 Welcome
9:00 Introductions
9:20 U.S. Fish and Wildlife talk on QC Migratory Bird Day
9:30 Trees Forever talk on Bird Friendly Iowa
9:45 Open Networking
10:15 Report Out

Register online at https://go.illinois.edu/BICANbirds

- QC Plastic Free Program
BRIAN(?) NIABI ZOO
DAWN (?)

√ Start
√ Confirm Registration
√ Make Payment
4. Complete Registration

BICAN - Day out with birds

Thank you for registering for BICAN Program held on Tuesday 2/18/2020 from 8:30am to 10:30am at Izzak Walton League located at 8440 N Harrison St, Davenport, IA 52806

Your registration details and receipt are below. Please print a copy for your records.

Please contact Tracy Jo Mulliken (tmully@illinois.edu) with any questions.

Contact Information

First Name	Erica
Last Name	Williams
Street Address	1200 13th Ave
City, State & Postal Code	East Moline, IL 61244
Country	United States
Daytime Phone	309-751-2310
Evening Phone	309-314-6248
E-mail Address	ewilliams@eastmoline.com

Your position as attendee:

- Professional

What organization are you with

City of East Moline

Total Registration Cost $0.00

UNIVERSITY OF ILLINOIS EXTENSION

Erica Williams

From: Moline, Norm <normmoline@augustana.edu>
Sent: Thursday, May 02, 2019 6:21 PM
To: Philip Tunnicliff
Cc: JBoruff@molinefoundation.org; Gates, Joseph - NRCS, Milan, IL; jcraver@ricfpd.org; rbrunk@co.rock-island.il.us; gthorpe@co.rock-island.il.us; khaiar@moline.il.us; Anderson, Jeff; Nick Gottwalt - Carbon Cliff DOCAS; jgrafton@silvisil.org; Gena McCullough; McPeek, Kraig; heidi_woeber@fws.gov; daniel.joiner@unitypoint.org; Erica Williams; cmathias@moline.il.us; sacri@moline.il.us; Reggie Freeman; RockIsland@fws.gov; Joseph Miller; QCPROGRESSIVEACTION@gmail.com; Anthony Heddlesten; jerryskalak@gmail.com; quadcitieswaterkeeper@gmail.com; Richard.stewart@il.nacdnet.net; Jason Koontz; linscottt@bhc.edu; Mikael Holgersson; Wilson, Lori; Candace.Ritchie@illinois.gov; Angella.Moorehouse@illinois.gov; Michael Reisner; gripp.john@rigov.org; stephen.felt@illinois.gov; kellythompson@cfgrb.org; nukefishguy@gmail.com; blackhawkpark@mchsi.com; Miles Brainard; d.riddell@mchsi.com; riswcd@rockislandswcd.org; dmayhew13817@gmail.com; rmedley@illinois.edu; Andrew Parer; Roger Viadero; Jon Duyvejonck; illiniwekfp@gmail.com; jschulte@moline.il.us; Tim Kammler; Olivia Dorothy; upton.jason@rigov.org; rimayor@rigov.org; Chandler Poole; sikes.mark@rigov.org; Brianna Huber; rberger@moline.il.us; fireplug72@aol.com; Kathy Wine; tprice@cdfinc.com; jim@evironet.com
Subject: Re: Stakeholder Meeting Rock River Ravines Watershed Update

Greetings. Since the River Action offices are flooded, Philip and Kathy asked me to resend this note as a reminder of the meeting next Tuesday at the R.I. Police Station Community Room. I join them in hoping that you can come.

Norm Moline
Professor Emeritus of Geography
Augustana College

On Tue, Apr 23, 2019 at 5:02 PM Philip Tunnicliff <ptunnicliff@riveraction.org> wrote:

RIVERACTION.ORG

Dedicated to fostering the environmental, economic, and culturalvitality of the Mississippi River.

River Action and Illinois EPA request your presence at the Rock River Stakeholder Meeting to update the 2008 Rock River Ravines Watershed Plan.

May 7, 2019

1-3pm

Rock Island Police Community Room

1212 5th Avenue Rock Island, IL

Please RSVP to River Action at

ptunnicliff@riveraction.org

or call (563) 322-2969 for questions

The agenda, led by Conservation Design Forum, Elmhurst, Il, is:

I. Review 2008 plan,

II. Review current scope of work

III. Obtain input on goals for this plan relative to previous plan

IV. Review and update goals and objectives, issues, priorities

V. Obtain input on 2008 implementation plan status

   A. Projects

   B. Institutional (ordinances, rain garden programs, etc.)

VI. Request data layers for 2019 update.

Please be prepared to discuss:

- Work you have done in the watershed related to accomplishing the 2008 recommendations and/or achieving its goals.

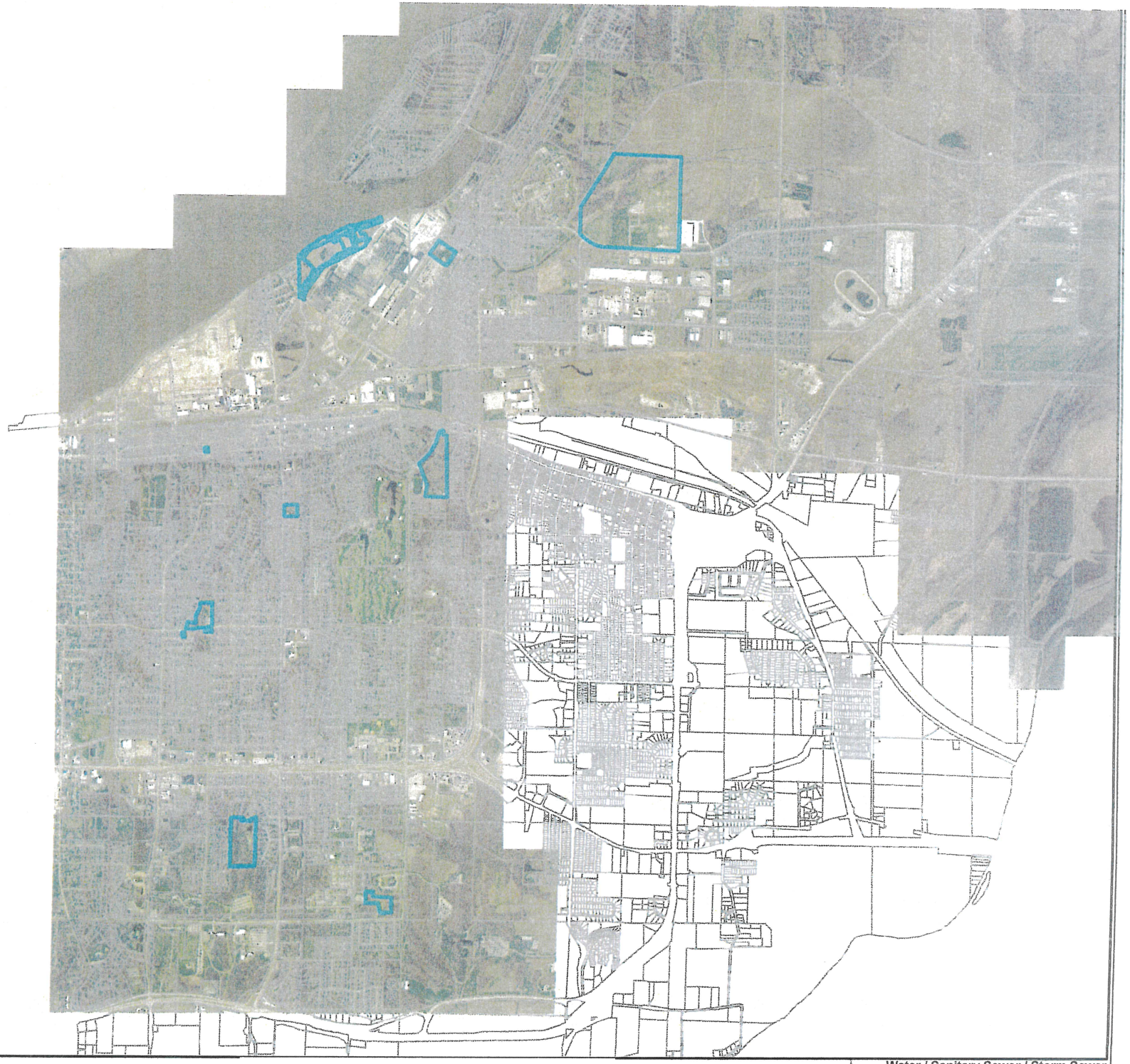
- Potential changes in the goals that you would like to see in the update, and

- Immediate projects or needs. This will not be the only time you have an opportunity to suggest inclusions, but if you have something you want to make sure we review and incorporate, we will take that input now.

You can prepare for the meeting, by reviewing the 2008 plan at

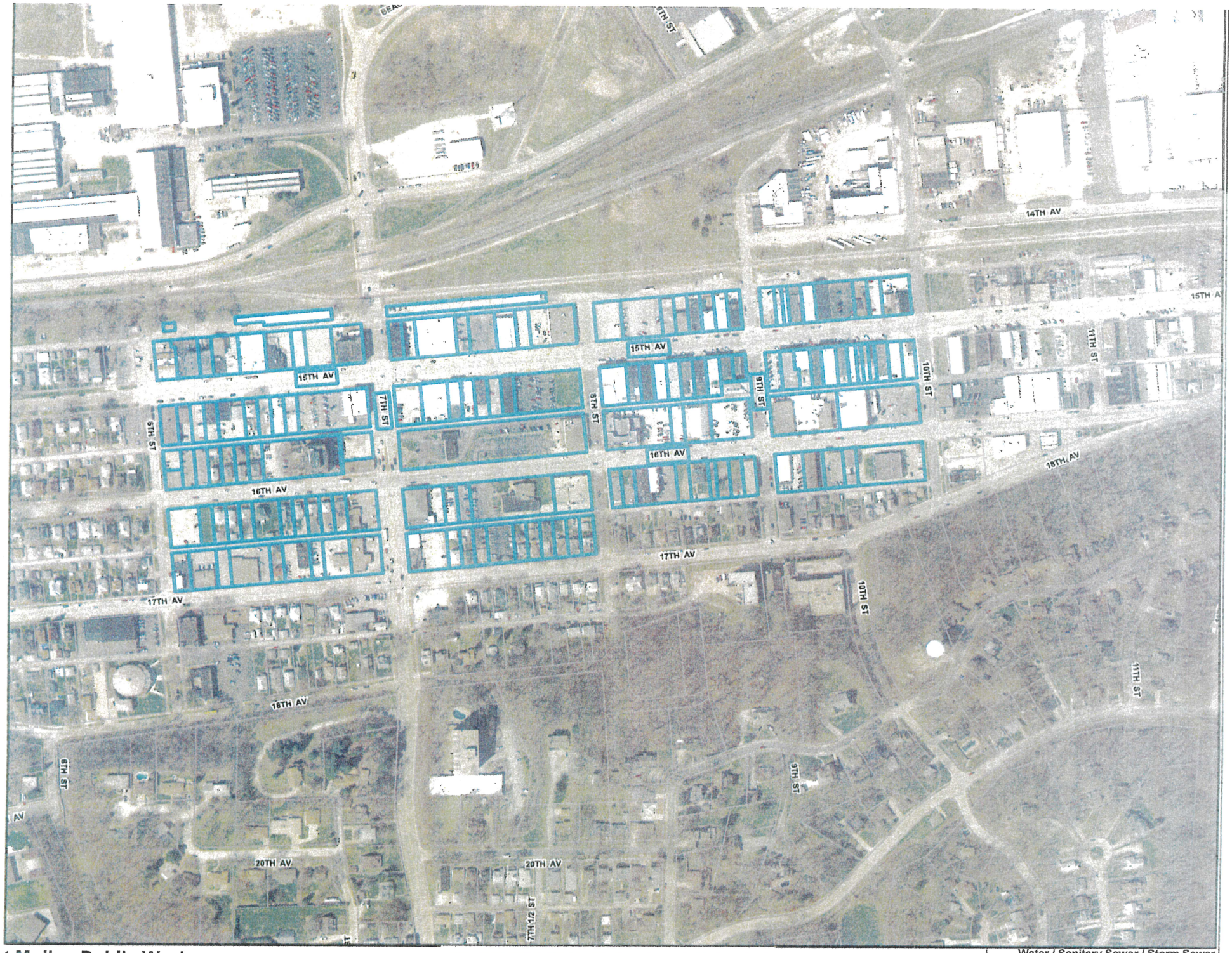
2008 Rock River Ravines Watershed Plan

P.O. Box 964, Davenport, IA 52805, Tele: (563) 322-2969, Fax: (563) 322-0916, www.riveraction.org



City of East Moline Public Works

Water / Sanitary Sewer / Storm Sewer Infrastructure



EMGIS_Parcels

City of East Moline Public Works

0 115 230 460 690 920 Feet

Water / Sanitary Sewer / Storm Sewer Infrastructure


3558
3563
434
442
446
450
421
405
426
3569
3575
422
4029
406
418
410
401
3581
4033
4039
3810
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420
3906
409
414
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3946
4062
4063
4062

ILLEGAL DISCHARGE: See definition of Illicit Discharge.

ILLICIT CONNECTION: Any drain or conveyance, whether on the surface or subsurface, which allows an illicit discharge to enter the storm drainage system.

ILLICIT DISCHARGE: Any discharge to the storm drainage system that is prohibited under this ordinance.

IMPERVIOUS SURFACE: That area of property that is covered by materials other than soil and vegetation and that has no intended capacity to absorb storm water, such as parking lots, roadways, driveways, sidewalks, patios, tennis courts, roofs and other structures.

INDUSTRIAL WASTE (OR COMMERCIAL WASTE): Any wastes produced as a byproduct of any industrial, institutional or commercial process or operation, other than domestic sewage.

INFILTRATION: The passage or movement of water into the soil surfaces.

JURISDICTION: The city of East Moline.

LOESSIAL SOIL: A sediment, commonly nonstratified and unconsolidated, composed predominately of silt sized particles with accessory clay and sand.

LOT: An individual platted parcel in an approved subdivision.

MAJOR DRAINAGE SYSTEM: That portion of a drainage system needed to store and convey flows beyond the capacity of the minor drainage system.

MECHANICAL FLUID: Any fluid used in the operation and maintenance of machinery, vehicles and any other equipment, including lubricants, antifreeze, petroleum products, oil and fuel.

MINOR DRAINAGE SYSTEM: That portion of a drainage system designed for the convenience of the public. It consists of street gutters, storm sewers, small open channels, and swales and, where manmade, is to be designed to handle the 10-year runoff event.

MITIGATION: When the prescribed controls are not sufficient and additional measures are required to offset the development, including those measures necessary to minimize the negative effects which storm water drainage and development activities might have on the public health, safety and welfare. Examples of mitigation include, but are not limited to, compensatory storage, soil erosion and sedimentation control, and channel restoration.

MOBILE COMMERCIAL COSMETIC CLEANING (OR MOBILE WASHING): Power washing, steam cleaning, and any other method of mobile cosmetic cleaning, of vehicles and/or exterior surfaces, engaged in for commercial purposes or related to a commercial activity.

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4): The system of conveyances, including roads, streets, curbs, gutters, ditches, inlets, drains, catch basins, pipes, tunnels, culverts, channels, detention basins and ponds owned and operated by the city of East

Moline and designed or used for collecting or conveying storm water, and not used for collecting or conveying sanitary sewage.

NPDES: The national pollutant discharge elimination system.

NPDES PERMIT: A permit issued by the EPA that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general areawide basis.

NATURAL: Conditions resulting from physical, chemical, and biological processes without intervention by man.

NATURAL DRAINAGE: Channels formed in the existing surface topography of the earth prior to changes made by unnatural causes.

NOTICE OF VIOLATION: A written notice detailing any violations of this ordinance and any action expected of the violators.

OIL: Any kind of oil in any form, including, but not limited to: petroleum, fuel oil, crude oil, synthetic oil, motor oil, cooking oil, grease, sludge, oil refuse, and oil mixed with waste.

100-YEAR EVENT: A rainfall, runoff, or flood event having a one percent (1%) probability of being equaled or exceeded in any given year. A twenty four (24) hour storm duration is assumed unless otherwise noted.

1-YEAR EVENT: A rainfall, runoff, or flood event having a one hundred percent (100%) probability of being equaled or exceeded in any given year. A twenty four (24) hour storm duration is assumed unless otherwise noted.

OWNER: The person who owns a facility, part of a facility, or land including the contract seller and contract purchaser.

PARCEL: A contiguous lot or tract of land under one ownership. A lot or tract of land is land intended as a unit for the purpose of development or transfer of ownership.

PEAK FLOW: The maximum rate of flow of water at a given point in a channel or conduit.

PERMITTEE: Any person to whom a building permit or a grading and drainage permit is issued.

PERSON: Any individual, partnership, copartnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity, or any other legal entity; or their legal representatives, agents, or assigns, including all federal, state, and local governmental entities.

PESTICIDE: A substance or mixture of substances intended to prevent, destroy, repel, or migrate any pest.

PET WASTE (OR ANIMAL WASTE): Excrement and other waste from domestic animals.

8-13-1: PURPOSE; INTENT:

(A) The purpose of this chapter is to establish a stormwater utility to protect the public health, safety, and welfare of the residents of East Moline from damage caused by stormwater runoff and floods by reduction, control and prevention of the discharge of pollutants to the city's municipal separate storm sewer utility system. The stormwater utility shall be responsible for collecting revenue to directly support maintenance and repair of the existing storm drain systems, development of drainage plans, flood control measures, and water quality programs, and funding of capital improvements. The stormwater utility shall require that all property owners within the city, all of whom ultimately benefit from the aforementioned, pay an appropriate share of the cost of the drainage, detention and flood protection facilities necessary to manage such stormwater and floods.

The stormwater utility shall function as a self-supported "enterprise fund" in the city budget and accounting system, separate and apart from the city's general fund for purpose of dedicating and protecting all funding applicable to the utility's operation, maintenance, and capital financing costs.

(B) Some specific stormwater management services the city of East Moline is responsible for include:

1. Maintaining the city's levees and flood protection infrastructure.

2. Developing, administering, inspecting, and enforcing a federally mandated stormwater program that is required by USEPA's phase II of the national pollutant discharge elimination system (NPDES) program.

3. Preventing harmful pollutants from being washed by stormwater runoff into local streams and rivers as required by USEPA.

4. Keeping public streets drained and cleared to make travel safe and minimize flood hazards.

5. Performing necessary maintenance, repairs and replacement of aging stormwater infrastructure including stormwater inlets, pipes, culverts, and other structures to safely collect and convey stormwater through all parts of the city.

6. Making repairs to ravines, ditches, open stream channel systems, and other public drainageways to reduce erosion and loss of property.

7. Ongoing inspection and maintenance to mitigate existing and future problems.

(C) It is the intent of the city council in enacting this chapter:

1. To promote public health, safety, and welfare by permitting the movement of emergency vehicles during flooding periods and minimizing flood losses and the

inconvenience and damage to property and infrastructure resulting from uncontrolled and unplanned stormwater runoff in the city;

2. To establish a stormwater utility to coordinate, design, construct, manage, operate, and maintain the city's stormwater conveyance system and flood protection infrastructure and to fund the same;

3. To provide for and promote compliance by the city with federal and state laws governing the discharge of pollutants from the municipal storm sewer system and to provide for and promote compliance with a national pollutant discharge elimination system (NPDES) permit issued to the city for such discharge;

4. To establish reasonable stormwater fees based on the approximate contribution of stormwater runoff from each parcel to the city's drainage facilities which will provide a stable funding source to enable the city of East Moline to construct, operate, maintain, administer and replace the city of East Moline stormwater conveyance system, flood protection infrastructure and for compliance with United States environmental protection agency (USEPA) stormwater NPDES permit requirements;

5. To encourage and facilitate urban water resources management techniques, including, without limitation, detention of stormwater and floodwater, reduction of the need to construct storm sewers, reduction of pollution, and enhancement of the environment;

6. To maintain and improve the quality of waterways impacted by the storm drainage system within the city of East Moline;

7. To preserve property values by protecting new and existing buildings and improvements to buildings from damage due to stormwater and/or floodwater;

8. To assure that new developments and redevelopments do not increase flood or drainage hazards to others, or create unstable conditions susceptible to erosion;

9. To preserve the natural characteristics of stream corridors in order to moderate flood and storm water impacts, and to protect water quality;

10. To prevent the discharge of contaminated stormwater runoff and illicit discharges from industrial, commercial, residential, and construction sites into the storm drainage system within the city of East Moline;

11. To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the storm drainage system;

12. To encourage recycling of used motor oil and safe disposal of other hazardous consumer products. (Ord. 09-16, 8-17-2009)

IN HOUSE TRAINING

Erica Williams

Subject:	Stormwater Meeting
Location:	Conference room
Start:	Thu 2/28/2019 9:00 AM
End:	Thu 2/28/2019 9:30 AM
Recurrence:	(none)
Meeting Status:	Meeting organizer
Organizer:	Erica Williams
Required Attendees:	Tim Kammler; Joseph Miller; Eric McLaughlin; Todd Stickler; Dave Lambrecht

Just a preliminary introduction to getting the city in stormwater compliance. Explain stormwater program and expectations, methods, habits, compliance moving forward.

MOLINE ILLINOIS Department of Engineering

PROJECT In House

SUBJECT 9:00 am

DATE 1/28/19 BY EKW CHECKED

TKTS, EM, JM

- ONE YEAR RULE
- ILLICIT DISCHARGES
- ~~CALL TOWNSEND~~ Report immediately to me!
- EDUCATE REGGIE, ETAL
- PROJECT "AS A WHOLE"
- NO FOUNDATION PERMITS OR INTERIOR IF G+D IS REQUIRED
- ONE ACRE NO PERMIT W/OUT NPDES
- ~~ONE LG "THE BEND" NPDES~~ YES
- ~~DEV AGREEMENT "THE BEND" V. SW~~
- ~~ACTIVE PERMIT SPREADSHEET~~
- ~~CLOSED PERMIT SPREADSHEET~~
- PERMIT CHECKLISTS
- TRACKING / HOW ENFORCE?
- WITH NOT MANY NPDES SITES IN EM - THE ONES WE DO HAVE ARE SCRUTINIZED!

9-24	S-31	AT	Y	little to no flow, no issues	
9-24	S-32	AT	Y	little to no flow, no issues	
	~~S-33~~			~~NOT City owned - PRIVATE~~	~~RCP from EMHA detention pond looks fine~~
	~~S-34~~			~~NOT City owned - PRIVATE~~	~~burried under vegetation~~
	~~S-35~~			~~NOT City owned - PRIVATE~~	~~RCP dislocated and erosion present.~~
9-25	S-36	AT	N	Can't find	too much vegetation
9-25	S-37	AT	Y	little to no flow, no issues	
	~~S-38~~			~~NOT City owned - PRIVATE~~	~~concrete poured over discharge? Private~~
9-25	S-39	AT	Y	little to no flow, water fine	CMP discharge stuck in mud
9-25	S-40	AT	Y	little flow, muddy water	
9-25	S-41	AT	Y	little flow, no issues	
9-25	S-42	AT	N	Can't find	
9-25	S-43	AT	Y	little to no flow, no issues	
9-25	S-44	AT	Y	Steady flow, no issues	
9-24	S-45	AT	Y	No visible flow.	
9-25	S-46	AT	N	Can't find	
9-25	S-47	AT	N	Can't find	
9-25	S-48	AT	Y	No flow, completely dry	End of pipe looks like its pointing upwards
9-25	S-49	AT	N	Couldn't find! stubs on top? 4540 6th street	
	~~S-50~~			~~NOT City owned - PRIVATE~~	~~RCP and flare has erosion at discharge and possible dislocation~~
9-25	S-51	AT	N	Can't find	
9-25	S-52	AT	Y	little to no flow, muddy water	
9-24	S-53	AT	N	Cannot locate	
9-24	S-54	AT	Y	little to no flow	
9-24	S-55	AT	Y	Very little flow, muddy water	
9-24	S-56	AT	Y	No flow, disjointed	
	~~S-57~~			~~NOT City owned - PRIVATE~~	~~blk flex separated~~
9-25	S-58	AT	Y	No visible flow, no issues	
9-25	S-59	AT	Y	little to no flow, no issues	
9-24	S-60	AT	Y	No flow, some red residue on pipe's flared end	
9-23	S-61	AT	N	Can't see very well, no odors Overgrown area	
9-24	S-62	AT	Y	little to no flow	
9-23	S-63	AT	Y	little flow, water clear	
9-23	S-64	AT	Y	little to no flow, no issues	

8-12-7: REQUIREMENTS FOR CERTAIN DISCHARGES:

(A) Private Drainage System Maintenance: The owner of any private drainage system shall maintain the system to prevent or reduce the discharge of pollutants. This maintenance shall include, but is not limited to, sediment removal, bank erosion repairs, maintenance of vegetative cover, and removal of debris from pipes and structures.

(B) Minimization Of Irrigation Runoff: Irrigation systems shall be managed to reduce the discharge of water from a site.

(C) Cleaning Of Paved Surfaces Required: The owner of any paved parking lot, street or drive shall clean the pavement as required to prevent the buildup and discharge of pollutants. The visible buildup of mechanical fluid, waste materials, sediment or debris is a violation of this ordinance. Paved surfaces shall be cleaned by dry sweeping, wet vacuum sweeping, collection and treatment of wash water or other methods in compliance with this ordinance. This section does not apply to pollutants discharged from construction activities, which are otherwise specified.

(D) Mobile Commercial Cosmetic Cleaning Operations: Mobile commercial cosmetic cleaning operations shall not discharge to the storm drainage system in violation of this ordinance.

(E) Maintenance Of Equipment: Any leak or spill related to equipment maintenance in an outdoor, uncovered area shall be contained to prevent the potential release of pollutants. Vehicles, machinery and equipment must be maintained to reduce leaking fluids.

(F) Materials Storage: In addition to other requirements of this ordinance, materials shall be stored to prevent the potential release of pollutants. The uncovered, outdoor storage of unsealed containers of hazardous substances is prohibited.

(G) Pet Waste: Pet waste shall be disposed of as solid waste or sanitary sewage in a timely manner, to prevent discharge to the storm drainage system.

(H) Pesticides, Herbicides And Fertilizers: Pesticides, herbicides and fertilizers shall be applied in accordance with manufacturer recommendations and applicable laws. Excessive application shall be avoided.

(I) Prohibition On Use Of Pesticides And Fungicides Banned From Manufacture: Use of any pesticide, herbicide or fungicide, the manufacture of which has been either voluntarily discontinued or prohibited by the U.S. environmental protection agency, or any federal, state or local jurisdiction.

(J) Open Drainage Channel Maintenance: Every person owning or occupying property through which an open drainage channel passes shall keep and maintain that part of the drainage channel within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or retard the flow of water through the drainage channel. In addition, the owner or occupant shall maintain existing privately owned structures adjacent to a drainage channel, so that such structures will not become a hazard to the use, function, or physical integrity of the drainage channel.

(K) Release Reporting And Cleanup: Any person responsible for a known or suspected release of materials which are resulting in or may result in illegal discharges to the storm drainage system shall take all necessary steps to ensure the discovery, containment, abatement and cleanup of such release. In the event of such a release of a hazardous material, said person shall comply with all state, federal, and local laws requiring reporting, cleanup, containment, and any other appropriate remedial action in response to the release. In the event of such a release of nonhazardous materials, said person shall notify the director of engineering no later than the close of the next business day.

(L) Authorization To Adopt And Impose Best Management Practices: The city of East Moline may adopt and impose requirements identifying best management practices (BMPs) for any activity, operation, or facility, which may cause a discharge of pollutants to the storm drainage system. Where specific BMPs are required, every person undertaking such activity or operation, or owning or operating such facility shall implement and maintain these BMPs at their own expense. (Ord. 07-18, 10-15-2007)

8-12-8: INSPECTIONS AND PLAN MODIFICATIONS:

(A) Inspections: The city of East Moline shall make inspections as required and shall notify the grading and drainage permit holder in the event that the work fails to comply with the requirements of this ordinance. The notification of any deficiencies in the work or violations of this ordinance shall be posted at the site and mailed to the owner of the site by ordinary mail.

The owner of the site shall notify the director of engineering:

1. Two (2) working days prior to the start of any land disturbing activities,

2. Upon completion of installation of sediment and runoff control measures (including perimeter controls and diversions), and

3. After final stabilization and landscaping and prior to removal of temporary sediment controls.

(B) Special Precautions: If at any stage of the grading of any development site the city of East Moline determines by inspection that the nature of the site is such that further work

authorized by an existing permit is likely to imperil any property, public way, stream, lake, wetland, or drainage structure, the city of East Moline shall require, as a condition of allowing the work to be done, that such reasonable special precautions to be taken as is considered advisable to avoid the likelihood of such peril. "Special precautions" may include, but shall not be limited to, a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, cribbing, installation of plant materials for erosion control, and recommendations of a certified professional in erosion and sediment control or a professional engineer, which may be made requirements for further work.

Where it appears that storm damage may result because the grading on any development site is not complete, work shall be stopped and the grading and drainage permit holder is required to install temporary structures or take such other measures as may be required to protect adjoining property or the public safety. On large developments or where unusual site conditions prevail, the director of engineering shall specify the time of starting grading and time of completion or may require that the operations be conducted in specific stages so as to ensure completion of protective measures or devices prior to the advent of seasonal rains.

(C) Amendment Of Plans: Major amendments to storm water drainage and detention or grading and drainage plans shall be submitted to the director of engineering and shall be processed and approved or disapproved in the same manner as the original plans. Field modification of a minor nature may be authorized and documented by the director of engineering. (Ord. 07-18, 10-15-2007)

8-12-9: RESPONSIBILITY:

(A) Applicant: The applicant for a grading and drainage permit shall not be relieved of responsibility for damage to persons or property otherwise imposed by law.

(B) Jurisdiction: The city of East Moline or its officers or agents, will not be made liable for such damage by: 1) the issuance of a grading and drainage permit under this ordinance, 2) compliance with the provisions of that grading and drainage permit or conditions attached to it by the director of engineering, 3) failure of the city of East Moline to observe or recognize hazardous or unsightly conditions, 4) failure of the city of East Moline officials to recommend denial or to deny a grading and drainage permit, or 5) exemptions from grading and drainage permit requirements of this ordinance. (Ord. 07-18, 10-15-2007)

8-12-10: MAINTENANCE OF DRAINAGE FACILITIES:

The city of East Moline will maintain those drainage facilities that are on public land and have been dedicated and accepted for maintenance or stipulated by agreement for maintenance by the city of East Moline. All other drainage facilities, when located on other

than public property, shall be the responsibility of the owner of the property on which they exist or the owner of the drainage facility, regardless of whether or not dedicated easements exist over said facilities.

The responsible party shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and appropriate quality assurance procedures. Abandonment and alteration, either structural or operational, of all facilities and systems shall occur only following application and issuance of a permit. (Ord. 07-18, 10-15-2007)

8-12-11: ENFORCEMENT:

(A) Right Of Entry And Sampling:

1. Whenever the appropriate official has cause to believe that there exists, or potentially exists, in or upon any premises any condition which constitutes a violation of this ordinance, the appropriate official shall have the right to enter the premises at any reasonable time to determine if the discharger is complying with all requirements of this section. In the event that the owner or occupant refuses entry after a request to enter has been made, the city attorney is hereby empowered to seek assistance from a court of competent jurisdiction in obtaining such entry.

2. The appropriate official shall have the right to set up on the property of any discharger to the storm drainage system such devices that are necessary to conduct sampling of discharges.

(B) Notice Of Violation: Whenever an authorized enforcement person determines that a person has violated or failed to meet a requirement of this ordinance, the enforcement person will order compliance by written notice of violation to the responsible person. Posting the written notice on the property will constitute written notice. Whenever possible, a copy of the notice of violation will be mailed by ordinary mail or e-mail when an address has been provided through appropriate permitting procedures.

The notice of violation shall include:

1. The name of the responsible person or property owner.

2. The date and location of the violation.

3. A description of the violation.

4. Actions that must be taken by the responsible person to remedy the violation.

5. The deadline within which the required actions must be completed.

6. Enforcement actions that may be taken by the city attorney.

7. Notice date.

8. Any person receiving a notice of violation may file a written appeal of the notice to the director of engineering within fifteen (15) days of the notice date. The director of engineering will affirm, modify or rescind the notice in writing, within fifteen (15) days of the date of the appeal. If the recipient of a notice of violation is dissatisfied with the outcome of the appeal to the director of engineering, the appeal process outlined in section 8-12-13 of this chapter will be followed.

(C) Enforcement Action Without Prior Notice: Any person who violates or fails to meet a requirement of this ordinance will be subject, without prior notice, to one or more of the enforcement actions identified in this ordinance when attempts to contact the person have failed and the enforcement actions are necessary to stop an actual or threatened discharge which presents or may present imminent danger to the environment or to the health or welfare of persons or to the storm drainage system.

(D) Enforcement Actions: Any person who fails to comply with or appeal a notice of violation, or fails to comply with an appeal decision of the director of engineering, will be subject to one or more of the following enforcement actions:

1. Stop Work Order: The director of engineering may issue a stop work order to the owner and contractors on a construction site, by posting the order at the construction site and distributing the order to all city of East Moline departments whose decisions may affect any activity at the site. Unless express written exception is made, the stop work order shall prohibit any further construction activity at the site and shall bar any further inspection or approval necessary to commence or continue construction or to assume occupancy at the site. A notice of violation shall accompany the stop work order, and shall define the compliance requirements.

2. Abatement Of An Illicit Connection: The director of engineering may terminate an illicit connection. Any expense related to such abatement shall be fully reimbursed by the property owner.

3. Abatement Of A Violation On Private Property: When a property owner is not available, not able or not willing to correct a violation, the director of engineering may enter private property to take any and all measures necessary to abate the violation. It shall be unlawful for any person, owner, agent or person in possession of any premises to refuse to allow the director of engineering to enter upon the premises for these purposes. Any expense related to such abatement shall be fully reimbursed by the property owner.

4. Recovery Of Costs: Within thirty (30) days after abatement by the director of engineering, the director of engineering shall notify the property owner of the costs of abatement, including administrative costs, and the deadline for payment. The property owner may appeal the recovery costs as outlined in section 8-12-13 of this chapter.

5. Termination Of Utility Services: After lawful notice to the customer and property owner concerning the proposed disconnection, the director of engineering shall have the

authority to order the disconnection of city of East Moline water, sanitary sewer and/or sanitation services, upon a finding by the director of engineering that the disconnection of utility services will remove a violation of this ordinance that poses a public health hazard or environmental hazard.

6. Criminal Prosecution: Any person who violates or continues to violate a prohibition or requirement of this ordinance shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to criminal penalties.

(E) Criminal Penalties: Any person violating this ordinance shall, upon an adjudication of guilt or a plea of no contest, be fined a minimum of two hundred fifty dollars ($250.00) to a maximum of one thousand five hundred dollars ($1,500.00). Each separate day on which a violation is committed or continues shall constitute a separate offense.

(F) Other Legal Action: Notwithstanding any other remedies or procedures available to the city of East Moline, if any person violates this ordinance, the city attorney may commence an action for appropriate legal and equitable relief including damages and court costs. The city attorney may seek a preliminary or permanent injunction or both which restrains or compels the activities on the part of the discharger.

(G) Abrogation And Greater Restrictions: This ordinance is not intended to repeal, abrogate or impair any existing easements, covenants, or deed restrictions. Where this ordinance and other ordinance, easements, covenants, or deed restrictions conflict or overlap, whichever imposes the more stringent restrictions shall prevail.

(H) Separability: The provisions and sections of this ordinance shall be deemed separable and the invalidity of any portion of this ordinance shall not affect the validity of the remainder. (Ord. 07-18, 10-15-2007)

8-12-12: IMPLEMENTATION:

This ordinance is effective upon passage with the following exceptions:

(A) Subdivision Improvements: The requirements for obtaining a grading and drainage permit are waived for a period of three (3) years after the passage date hereof if the preliminary plat of a subdivision was approved by the city council prior to the passage date hereof. All other requirements of this ordinance shall remain in effect.

(B) Nonsubdivision Improvements Requiring A Building Permit: The requirements for obtaining a grading and drainage permit for nonsubdivision related improvements requiring a building permit are waived for the duration of the building permit if the building

permit was issued prior to the passage date hereof. All other requirements of this ordinance shall remain in effect.

(C) Improvements That Previously Did Not Require A Permit: The requirements for obtaining a grading and drainage permit for construction that did not require a permit prior to the passage date hereof are waived for a period of one year if the construction commenced prior to the passage date hereof. All other requirements of this ordinance shall remain in effect. (Ord. 07-18, 10-15-2007)

8-12-14: GENERAL REQUIREMENTS FOR ALL CONSTRUCTION SITES:

(A) Responsible Entity: The owner of a site of construction activity shall be responsible for compliance with the requirements of this ordinance.

(B) Waste Disposal: Solid waste, industrial waste, yard waste and any other pollutants or waste on any construction site shall be controlled through the use of BMPs. Waste or recycling containers shall be provided and maintained by the owner or contractor on construction sites where there is the potential for release of waste. Uncontained waste that may blow, wash or otherwise be released from the site is prohibited.

(C) Ready Mixed Concrete: Ready mixed concrete, or any materials resulting from the cleaning of vehicles or equipment containing or used in transporting or applying ready mixed concrete, shall be contained on construction sites for proper disposal. Release of these materials is prohibited.

(D) Erosion And Sediment Control: BMPs shall be implemented to prevent the release of sediment from construction sites. Disturbed areas shall be minimized, disturbed soil shall be managed and construction site entrances shall be managed to prevent sediment tracking. Excessive sediment tracked onto public streets shall be removed immediately.

(E) Continued Compliance: Upon completion of permitted construction activity on any site, the property owner and subsequent property owners will be responsible for continued compliance with the requirements of this ordinance, in the course of maintenance, reconstruction or any other construction activity on the site. (Ord. 07-18, 10-15-2007)

8-12-15: GRADING AND DRAINAGE PERMITS:

(A) Class 1 Grading And Drainage Permit: Any construction that meets one of the following thresholds shall require a class 1 grading and drainage permit:

1. Any construction that will include the addition of an impervious surface area (i.e., streets, roof, patio or parking area or any combination thereof) greater than or equal to one thousand (1,000) square feet and less than one acre (43,560 square feet).

2. Any land disturbing activity (i.e., clearing, grading, stripping, excavation, fill, or any combination thereof) that will affect an area greater than or equal to ten thousand (10,000) square feet and less than one acre (43,560 square feet).

3. Any land disturbing activity that will exceed one hundred (100) cubic yards, but does not otherwise require a class 2 grading and drainage permit.

4. Any land disturbing activity on the sloping side of the slope disturbance line, but does not otherwise require a class 2 grading and drainage permit.

5. Construction of one or more single-family dwellings that is/are constructed as part of a subdivision development with an approved storm water pollution prevention plan. Those that are part of the development for which there is a class 2 grading and drainage permit will not be required to calculate preproject and postproject discharge rates.

   The drainage system for a parcel containing the proposed construction site shall be designed to restrict the peak rate of discharge from the total parcel to preproject levels (based on a 1-year storm). The director of engineering will estimate the peak discharge rates. If the estimated postdevelopment peak discharge rate must be reduced, the director of engineering will recommend appropriate storm water control options. If a mutually acceptable option cannot be developed, the appeal process outlined in section 8-12-13 of this chapter will be followed.

   The issuance of a grading and drainage permit shall constitute an authorization to do only that work which is described on the approved sketch. A class 1 grading and drainage permit shall be valid for one year after the date of issuance.

(B) Class 1 Grading And Drainage Permit And Application Forms: Class 1 grading and drainage permits and application forms shall include the following:

1. Name(s), address(es) and telephone numbers of the owner and developer of the site, the contractor(s) and of any consulting firm retained by the applicant identifying the principal contractor.

2. Certification that all construction covered by the grading and drainage permit will be undertaken in compliance with section 8-12-14, "General Requirements For All Construction Sites", of this chapter.

3. A site plan acceptable to the director of engineering that shows: a) existing and proposed topography, b) proposed grading and drainage, and c) indicates the amount of impervious area being created.

4. An application fee as set forth in section 8-12-27 of this chapter.

(C) Class 2 Grading And Drainage Permit: Any construction that meets one of the following thresholds shall require a class 2 grading and drainage permit:

1. Any construction that will include the addition of an impervious surface area (i.e., streets, roof, patio or parking area or any combination thereof) greater than one acre (43,560 square feet).

2. Any land disturbing activity (i.e., clearing, grading, stripping, excavation, fill, or any combination thereof) that will affect an area greater than one acre (43,560 square feet).

(D) Class 2 Grading And Drainage Permit And Application Forms: Class 2 grading and drainage permits and application forms shall include the following:

1. Name(s), address(es) and telephone numbers of the owner and developer of the site, the contractor(s) and of any consulting firm retained by the applicant identifying the principal contractor.

2. Certification that any land clearing, construction, or development involving the movement of earth shall be in accordance with the plans approved upon issuance of the permit.

3. An application fee as set forth in section 8-12-27 of this chapter.

4. A faithful performance bond or bonds, letter of credit, or other improvement security satisfactory to the city attorney in an amount deemed sufficient by the director of engineering to cover all costs of improvements, landscaping, maintenance of improvements and landscaping, and soil erosion and sediment control measures for such period as specified by the director of engineering and inspection costs to cover the cost of failure or repair of improvements installed on the site on a form acceptable to the director of engineering. (See sample in the appendix attached to the ordinance codified herein.) Upon satisfactory completion of the improvements, the documented security would be void.

5. A site plan shall be submitted for both existing and proposed property conditions for applicable developments and for an appropriate distance surrounding the subject property. The plan shall be based on a topographic survey of the property, shall be drawn at a scale of not more than fifty feet to one inch (50' : 1"), and include the following (unless otherwise specified by the director of engineering):

   (a) Proposed and existing grading shown with one foot (1') contours. East Moline city datum shall be used (unless otherwise specified by the director of engineering).

   (b) Property boundary, interior lot lines (if applicable), dimensions, and acreage.

   (c) Zoning classification and required setback dimensions.

   (d) All existing and proposed structures and sizes.

(e) Existing and proposed streets, driveways, sidewalks, parking lots or other similar features.

(f) Square feet of existing and proposed impervious surface.

(g) Existing and proposed easements and right of way.

(h) Existing abandoned and proposed water or monitoring wellhead locations.

(i) Existing abandoned and proposed water mains.

(j) Existing and proposed sanitary sewer lines and septic systems.

(k) The banks and centerline of streams and channels.

(l) Shoreline of lakes, ponds, and detention basins with normal water level elevation.

(m) Farm drains and tiles.

(n) All existing and proposed storm water conduits and drainage swales showing location, size and slope.

(o) Detention facilities.

(p) Overland flow path for storm water flow that exceeds the capacity of on site drainage features.

(q) Existing and proposed storm water inlets, manholes, outlets or other drainage structures, including finished grades.

(r) Existing and proposed utilities.

(s) Base flood elevation, flood fringe, and regulatory floodway.

(t) Location map, locating the site within the city of East Moline.

(u) Title, scale, north arrow, legend, seal of licensed professional engineer, date, and name of person preparing plans.

(v) Subwatershed boundaries within the property.

(w) Abandoned mines.

(x) Soil classifications.

(y) Existing and proposed fencing indicating the type and height of fence.

(z) Construction plans for public or private improvements for streets, storm drainage, sewer, water, or other utilities.

6. The following certifications and design statements shall be provided:

(a) Basis of design for the final drainage system components.

(b) A statement giving any applicable engineering assumptions and calculations.

(c) A statement by the design engineer of the drainage system's provision for handling events greater than the 100-year, twenty four (24) hour runoff.

(d) Design calculations and other submittals as required by this ordinance.

(e) A statement of certification of all drainage plans, calculations, and supporting data by a licensed professional engineer.

7. A depiction of environmental features of the property and immediate vicinity including the following:

(a) The limits of designated regulatory and nonregulatory wetland areas.

(b) The location of trees greater than eight inches (8") in diameter in areas to be disturbed.

(c) Any designated natural areas or prime farmland.

(d) Any proposed environmental mitigation features.

8. Any and all local, state or federal maps marked to reflect any proposed change in the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.

9. Conditional approval by FEMA or other regulatory agencies of the proposed changes in the floodway map that have been made if the floodway delineation, base flood, or 100-year frequency flood elevation will change due to the proposed project.

10. Engineering calculations and data supporting all proposed plans. Hydrologic design shall be completed in accordance with section 8-12-24, "Hydrologic Design Criteria For Class 2 Projects", of this chapter. Detention system design shall be completed in accordance with section 8-12-25, "Detention System Design Criteria", of this chapter.

11. If the project involves channel modification, the following information shall be submitted:

(a) A discussion of the purpose and need for the proposed work.

(b) Discussion of the practicability of using alternative locations or methods to accomplish the purpose of the proposed work.

(c) Analysis of the impacts of the proposed project, considering cumulative effects on the physical and biological conditions of the body of water affected.

(d) Additional information as required by this ordinance.

12. Storm water pollution prevention plan (SWPPP) prepared in accordance with section 8-12-26 of this chapter. (Ord. 07-18, 10-15-2007)

8-12-17: SUBMITTAL, REVIEW, AND APPROVAL OF PERMITS:

If a building permit is also required for the development, the grading and drainage permit application shall be submitted to the building inspector at the time application is made for a building permit. Departments of the city of East Moline shall coordinate their activities to prevent additional, unnecessary delays.

(A) Each application for an approved grading and drainage permit shall be reviewed and acted upon according to the following procedures. The director of engineering shall:

1. Provide a written evaluation to the applicant regarding the adequacy and effectiveness of the proposal to address the provisions of this ordinance. The director of engineering may retain the services of an independent professional to perform this evaluation. The city of East Moline may assess a fee for this evaluation service as set forth in section 8-12-27 of this chapter.

2. Attend a preconstruction meeting with the applicant or designated agent to review implementation of grading and drainage permit.

3. Conduct on site inspections during the active construction phases of and development projects to determine whether site development is in compliance with the approved grading and drainage plans, and determine adjustments needed to the approved plans. After construction has been completed, determine whether permanent site stabilization has been achieved and identify operation and maintenance needs.

4. Prepare correspondence as needed regarding the effectiveness (or corrective measures needed) or adequacy of soil erosion and sediment control measures.

5. Consult with land developers, consultants, and contractors concerning the design criteria, installation and maintenance procedures and other information regarding best management practices recommended under the provisions of this ordinance.

6. After review of the application and required submissions if it is found to be in conformance with the provisions of this ordinance.

   (a) Approve the grading and drainage permit.

   (b) Approve the grading and drainage permit subject to such reasonable conditions as may be necessary to secure substantially the objectives of this ordinance, and issue the approval subject to these conditions.

   (c) Disapprove the grading and drainage permit, indicating the deficiencies and the procedure for submitting a revised application and/or submission.

(B) No approval for a grading and drainage permit shall be issued for an intended development site unless one or more of the following have been obtained as applicable:

1. Land use regulations that apply to the development have been approved by the city of East Moline where applicable.

2. Such permit is accompanied by or combined with a valid building permit issued by the building inspector.

3. The proposed earthmoving is coordinated with any overall development program previously approved by the director of engineering for the area in which the site is situated.

4. All relevant federal, state, and local permits.

5. Applicant is successful in the appeals process.

(C) Failure of the director of engineering to act on an original or revised application within sixty (60) days of receipt shall authorize the applicant to proceed in accordance with the plans as filed and in compliance with the regulations contained herein, unless such time is extended by agreement between the director of engineering and the applicant. Pending preparation and approval of a revised plan, development activities may be allowed to proceed in accordance with conditions established by the director of engineering. (Ord. 07-18, 10-15-2007)

8-12-18: OTHER AGENCY PERMITS:

(A) The director of engineering shall not issue a grading and drainage permit unless all required federal, state and drainage district permits have been obtained by the applicant and copies thereof reviewed by the director of engineering. The acquisition of these permits shall be the sole responsibility of the applicant. The granting of a grading and drainage permit under these regulations shall in no way affect the owner's responsibility to obtain the approval required by any other statute, ordinance or code, or to meet the requirements of other city of East Moline ordinances and regulations, including, but not limited to: building permits; section 404 of the clean waters act; section 106 of the national historic preservation act; section 10 of the rivers and harbors act; or permitting required by the Illinois department of natural resources, office of water resources in accordance with the rivers, lakes and streams act, 615 Illinois Compiled Statutes; the soil and water conservation districts act, 70 Illinois Compiled Statutes; the farmland preservation act, 505 Illinois Compiled Statutes; the Illinois ground water protection act, 415 Illinois Compiled Statutes; and the national pollutant discharge elimination system permit (NPDES) and section 401 of the clean water act through the Illinois environmental protection agency, division of water pollution control; and the threatened and endangered species act, 16 USC 1531 et seq.

(B) Any work involving the construction, modification or removal of a "dam" as defined herein, per 92 Illinois administrative code 702 (rules for construction of dams), shall require an IDNR/OWR dam safety permit prior to permit being issued by the city of East Moline. Any development involving work in waters of the United States, including wetlands and streams as identified and regulated by the U.S. army corps of engineers, shall require permits or sign offs from the corps prior to the issuance of a city of East Moline permit. (Ord. 07-18, 10-15-2007)

8-12-19: PERMIT LIMITATIONS:

(A) The issuance of a grading and drainage permit shall constitute an authorization to do only that work which is described or illustrated on the application for the permit or on the plans and specifications approved by the director of engineering.

(B) The issuance of a permit or the approval of drawings and specifications shall not be construed to be a permit for, nor an approval of, any violation of or deviation from the provision of these regulations or any other ordinance, law, rule, or regulation.

(C) The issuance of a permit, based upon drawings and specifications, shall not prevent the director of engineering from thereafter requiring the correction of errors in said drawings and specifications or from stopping unlawful construction operations being carried on thereunder.

(D) The grading and drainage permit shall be valid until the completion date noted in the permit. The director of engineering may grant an extension if relevant design and construction standards have not changed and if in the director of engineering's opinion, the work approved under the permit does not unduly adversely affect the health, safety and general welfare of the public. Otherwise, a new permit shall be acquired before work is started or continued. The director of engineering may require modification of the SWPPP to prevent any increase in erosion or off site sediment runoff resulting from any extension. (Ord. 07-18, 10-15-2007)

8-12-20: REVOCATION OF PERMITS:

(A) The director of engineering may revoke a permit:

1. Where there has been any false or inaccurate statement or misrepresentation as to a material fact in the application or plans on which the permit was based.

2. When work is performed contrary to the provisions of the application or plans on which the permit is based.

(B) When a permit is revoked, the director of engineering shall inform the permittee, in writing, of the specific steps the permittee must take in order to have the permit reissued.

(C) It shall be unlawful to continue any work authorized by a permit after revocation of that permit until that permit is reissued or until a new permit is issued.

(D) In cases where the permittee wishes to appeal the decision of the director of engineering, the appeal process outlined in section 8-12-13 of this chapter will be followed. An appeal shall stay all proceedings in furtherance of the action appealed from unless the director of engineering certifies to the storm water board of appeals, after the notice of the appeal has been filed with him, that by reason of facts stated in the certificate a stay would, in his opinion, cause imminent peril to life or property. (Ord. 07-18, 10-15-2007)

8-12-23: POSTCONSTRUCTION RUNOFF CONTROL:

Use of BMPs identified by this ordinance, or the use of any other BMPs not herein discussed, are strongly encouraged by this ordinance. This list of definitions is not exclusive and developers are encouraged to utilize whatever BMPs may be appropriate for a specific site.

(A) Preserving Regulatory Floodplains, Flood Prone And Wetland Areas:

1. Buffer zones: An area along a shoreline, wetland, or stream where development is restricted or prohibited. The primary function of aquatic buffers is to physically protect and separate a stream, lake, or wetland from future disturbance or encroachment. The three (3) types of buffers are water pollution hazard setbacks, vegetated buffers, and engineered buffers.

2. Conservation easements: Voluntary agreements that allow an individual or group to set aside private property to limit the type or amount of development on their property. The conservation easement can cover all or a portion of a property and can either be permanent or last for a specified time. The easement is typically described in terms of the resource it is designed to protect (e.g., agricultural, forest, historic, or open space easements) and explains and mandates the restrictions on the uses of the particular property.

(B) Minimizing Impervious Surfaces On The Property:

1. Open Space Design, Conservation Development: A better site design technique that concentrates dwelling units in a compact area in one portion of the development site in exchange for providing open space and natural areas elsewhere on the site. The minimum lot sizes, setbacks and frontage distances for the residential zone are relaxed in order to create the open space.

2. Narrower Streets: In many residential settings, streets can be as narrow as twenty two (22) to twenty six feet (26') wide without sacrificing emergency access, on street parking or vehicular and pedestrian safety. Even narrower access streets or shared driveways can be used when only a handful of homes need to be served. Use of narrower streets will only be allowed on public streets by requesting a variance from the city of East Moline subdivision ordinance.

3. Eliminating Curbs And Gutters: Elimination of curbs and gutters involves the use of grass swales and ditches as an alternative to curbs and gutters along residential streets. Eliminating curbs and gutters from public streets will only be allowed by requesting a variance from the city of East Moline subdivision ordinance.

4. Alternative Turnarounds: Alternative turnarounds are designs for end of street vehicle turnaround that replace cul-de-sacs and reduce the amount of impervious cover created in residential neighborhoods. Numerous alternatives create less impervious cover than the traditional forty foot (40') cul-de-sac. These alternatives include reducing cul-de-sacs to a thirty foot (30') radius and creating hammerheads, loop roads, and pervious islands in the cul-de-sac center by requesting a variance from the city of East Moline subdivision ordinance.

5. Alternative Pavers: Alternative pavers are permeable surfaces that can replace asphalt and concrete and can be used for driveways, parking lots, and walkways. Commercially available pavers are used which contain void spaces for grass or clean, washed stone or gravel. Gravel, cobble, or mulch parking lots are prohibited.

(C) Storm Water Wetlands, Gassed Swales And Vegetated Filter Strips:

1. Storm Water Wetlands: Storm water wetlands (a.k.a. constructed wetlands) are structural practices similar to wet ponds that incorporate wetland plants into the design. Storm water wetlands are designed specifically for the purpose of treating storm water runoff. A distinction should be made between using a constructed wetland for storm water management and diverting storm water into a natural wetland. The latter practice is not recommended because altering the hydrology of the existing wetland with additional storm water can degrade the resource and result in plant die off and the destruction of wildlife habitat.

2. Grassed Swales: The term swale (a.k.a. grassed channel, dry swale, wet swale, biofilter) refers to a series of vegetated, open channel management practices designed specifically to treat and attenuate storm water runoff for a specified water quality volume. As storm water runoff flows through these channels, it is treated through filtering by the vegetation in the channel, filtering through a subsoil matrix, and/or infiltration into the underlying soils.

3. Vegetated Filter Strips: Vegetated surfaces that are designed to treat sheet flow from adjacent surfaces. Filter strips function by slowing runoff velocities and filtering out sediment and other pollutants.

(D) Infiltrating Runoff On Site:

1. Sand And Organic Filters: Sand filters are usually two (2) chambered storm water practices; the first is a settling chamber, and the second is a filter bed filled with sand or another filtering media. As storm water flows into the first chamber, large particles settle out, and then finer particles and other pollutants are removed as storm water flows through the filtering medium. There are several modifications of the basic sand filter design, including the surface sand filter, underground sand filter, perimeter sand filter, organic media filter, and multichamber treatment train.

2. Infiltration Trenches: An infiltration trench is a rock filled trench with no outlet that receives storm water runoff. Storm water runoff passes through some combination of pretreatment measures, such as a swale and detention basin, and into the trench. There, runoff is stored in the void space between the stones and infiltrates through the bottom and into the soil matrix.

3. Infiltration Basins: Infiltration basin is a shallow impoundment which is designed to infiltrate storm water into the ground water. Infiltration basins should only be used on small drainage areas (less than 10 acres), and where soils are highly permeable.

4. Porous Pavements: Porous pavement is a permeable pavement surface with an underlying stone reservoir to temporarily store surface runoff before it infiltrates into the subsoil. This porous surface replaces traditional pavement, allowing parking lot storm water to infiltrate directly and receive water quality treatment. There are a few porous pavement options, including porous asphalt, pervious concrete, and grass pavers.

5. Bioretention: Bioretention areas are landscaping features adapted to provide on site treatment of storm water runoff. They are commonly located in parking lot islands or within small pockets of residential land uses. Surface runoff is directed into shallow, landscaped depressions. These depressions are designed to incorporate many of the pollutant removal mechanisms that operate in forested ecosystems. During storms, runoff ponds above the mulch and soil in the system. Runoff from larger storms is generally diverted past the facility to the storm drain system. The remaining runoff filters through the mulch and prepared soil mix. Typically, the filtered runoff is collected in a perforated underdrain and returned to the storm drain system.

(E) Providing Storm Water Retention Structures:

1. On Lot Treatment: On lot treatment is a series of practices that are designed to collect runoff from individual residential or small commercial lots. The primary purpose of most on lot practices is to manage rooftop runoff and, to a lesser extent, driveway and sidewalk runoff. Although there are a wide variety of on lot treatment options, they can all be classified into one of three (3) categories: a) practices that collect and infiltrate rooftop runoff; b) practices that divert runoff or soil moisture to a pervious area; and c) practices that store runoff for later use.

2. Retention Basins: Retention basins are designed to collect and hold storm water runoff, with no outlet pipes or structures. They are not necessarily infiltration basins, and are best designed to rely mostly on evaporation. Retention basins are only feasible when special circumstances of land and soil type are available.

(F) Providing Wet Or Wetland Detention Structures: Wet detention structures are defined and controlled under section 8-12-25, "Detention System Design Criteria", of this chapter.

(G) Providing Dry Detention Structures: Dry detention structures are defined and controlled under section 8-12-25, "Detention System Design Criteria", of this chapter. Detention basins shall be designed to remove floatables from storm water runoff by providing trash grates or special outlet structures which separate floatables.

(H) Constructing Storm Sewers:

1. Manufactured Products For Storm Water Inlets: A variety of products for storm water inlets are known as swirl separators, or hydrodynamic structures. Swirl separators are modifications of the traditional oil grit separator and include an internal component that creates a swirling motion as storm water flows through a cylindrical chamber. The concept behind these designs is that sediments settle out as storm water moves in this swirling path. Additional compartments or chambers are sometimes present to trap oil and other floatables. There are several different types of proprietary separators, each of which incorporates slightly different design variations, such as off line application.

2. Catch Basin Inserts: Catch basin efficiency can be improved using commercially available inserts, which can be designed to remove oil and grease, trash, debris, and sediment. Some inserts are designed to drop directly into existing catch basins, while others may require being installed as part of the construction of the basin.

3. In Line Storage Structures: In line storage refers to a number of practices designed to use the storage within the storm drain system to detain flows. Storage is achieved by placing devices in the storm drain system to restrict the rate of flow. Devices can slow the rate of flow by backing up flow, as in the case of a dam or weir, or through the use of vortex valves, devices that reduce flow rates by creating a helical flow path in the structure.

(I) Water Quality And Multiple Uses: The drainage system should be designed to minimize adverse surface and ground water quality impacts off site and on the property itself. Detention basins shall incorporate design features to capture storm water runoff pollutants. All flows from the development shall be routed through the basin (i.e., low flows shall not be bypassed). Detention of storm water shall be promoted throughout the property's drainage system to reduce the volume of storm water runoff and to reduce the quantity of runoff pollutants. The drainage system should incorporate multiple uses where practicable. Uses considered compatible with storm water management include open space, aesthetics, aquatic habitat, recreation (boating, fishing, trails, playing fields), wetlands and water quality mitigation. (Ord. 07-18, 10-15-2007)

8-12-24: HYDROLOGIC DESIGN CRITERIA FOR CLASS 2 PROJECTS:

(A) Referenced Standards: Design standards for hydrologic design shall comply with these regulations and with the applicable provisions of the IDOT drainage and design manuals. Where the IDOT drainage and design manuals do not detail requirements, the "Illinois Urban Manual", latest edition, shall be used. Where this ordinance imposes greater restrictions than those imposed by the IDOT drainage and design manuals or those required by other provisions of law or ordinance, the provisions of this ordinance shall prevail.

(B) Release Rates: The drainage system for new developments or redevelopments shall be designed to control the peak rate of discharge from the total property under development so that in the event of a 100-year rainfall event in the postdeveloped condition, the release rate is less than or equal to the discharge from a 5-year rainfall event in the predeveloped condition. Under no circumstances, with any rainfall event, shall the postdevelopment discharge exceed the predevelopment discharge. Where a detailed hydrologic or hydraulic model exists, release rates shall be established and incorporated as part of this ordinance.

(C) Drainage System Design And Evaluation: The following criteria should be used in evaluating and designing the drainage system. The design will provide capacity to pass the 10-year, twenty four (24) hour peak flow in the minor drainage system and an overload flow path (major drainage system) for flows in excess of the design capacity. Whenever practicable, the storm water systems shall not result in the interbasin transfer of drainage unless no other alternative exists.

The design rainfall recurrence interval shall be set by the design application as follows:

Detention	100 year
Emergency overflow routing	100 year
Bridges	100 year
Roadway underpasses	50 year
Swales, ditches, and culverts	25 year
Storm sewers	10 year

(D) Design Methodologies: An applicable hydrologic design method may be selected from the "IDOT Drainage Manual" with the following modifications and clarifications. Minor conveyance systems for areas up to one hundred (100) acres, and major conveyance systems up to ten (10) acres may be designed using the rational method. Design runoff rates may be calculated using a continuous simulation model or by event hydrographic methods. If event hydrographic methods are used they must be HEC-HMS, HEC-1, SCS TR20, or SCS TR55. Event methods must incorporate the following assumptions:

1. Antecedent moisture condition 2 (normal moisture).

2. Huff or SCS type 2 distribution.

For design events the Illinois state water survey bulletin 70 (northwest) rainfall data must be used. Storage volumes for detention must be twenty four (24) hour events. Storm water conveyance capacities must be designed for the critical duration creating the highest peak. The following table lists data from bulletin 70:

Frequency Distributions (In Inches) For Zone 1
Illinois State Water Survey, Bulletin 70

	Frequency								
Duration	2-month	6-month	1-year	2-year	5-year	10-year	25-year	50-year	100-year
48 hour	1.47	2.24	2.80	3.42	4.28	4.96	6.07	7.02	8.07
24 hour	1.40	2.08	2.57	3.11	3.95	4.63	5.60	6.53	7.36
18 hour	1.30	1.92	2.37	2.86	3.63	4.26	5.15	6.01	6.92
12 hour	1.23	1.81	2.24	2.71	3.43	4.03	4.88	5.66	6.51
6 hour	1.06	1.56	1.93	2.33	2.96	3.48	4.20	4.90	5.69
2 hour	0.84	1.23	1.52	1.83	2.33	2.74	3.31	3.86	4.47
1 hour	0.67	0.98	1.21	1.46	1.86	2.18	2.63	3.07	3.51
30 minute	0.52	0.77	0.95	1.15	1.46	1.71	2.07	2.42	2.77
15 minute	0.38	0.57	0.70	0.84	1.07	1.25	1.51	1.76	1.99
5 minute	0.17	0.25	0.31	0.37	0.47	0.56	0.67	0.78	0.89

(E) Positive Drainage: All developments must be provided an overland flow path that will pass the 100-year, twenty four (24) hour flow within designated drainage easements or the public right of way with a freeboard of at least one foot (1'). Overland flow paths shall be provided drainage easements unless the flow is contained in the public right of way.

(F) Culvert, Road And Driveway Crossings: Sizing of culvert crossings shall consider entrance and exit losses as well as tail water conditions on the culvert.

(G) Vegetated Filter Strips And Swales: To effectively filter storm water pollutants and promote infiltration of runoff, sites should be designed to maximize the use of vegetated filter strips and swales, shall be designed to follow criteria in the "Illinois Urban Manual". Whenever practicable, runoff from impervious surfaces should be directed onto filter strips and swales comprised of native grasses and forbs before being routed to a storm sewer or detention basin.

(H) Maintenance Considerations: The storm water drainage system shall be designed to minimize and facilitate maintenance. Use of native vegetation is strongly encouraged to reduce maintenance, increase wildlife habitat, and to provide other benefits. Where nonnative vegetation is used, turfed side slopes shall be designed to allow lawn mowing equipment to easily negotiate them. Wet basins shall be provided with alternate outflows, which can be used to completely drain the pool for sediment removal. Pumping may be considered if drainage by gravity is not feasible. Presedimentation basins shall be included, where feasible, for localizing sediment deposition and removal. Site access for heavy equipment shall be provided. A maintenance plan for the ongoing maintenance of all storm water management system components including wetlands is required prior to plan approval. The plan shall include:

1. Maintenance tasks.

2. The party responsible for performing the maintenance tasks.

3. A description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas.

4. A description of dedicated sources of funding for the required maintenance.

(I) Provisions For Agricultural Drainage:

1. Existing easements for any agricultural drainage systems located underneath areas that will be developed shall be preserved. If no such easement exists, an easement shall be dedicated for access and maintenance as provided for in this ordinance.

2. All agricultural drainage systems that serve upstream areas outside of the development and that are located underneath areas that will be developed shall be replaced with nonperforated conduit to prevent root blockage, provided, however, that the existing drainage district system may remain in place with the approval of the appropriate entity.

3. Agricultural drainage systems that, due to development, will be located underneath streets, driveways, and other paved areas as allowed by this ordinance, shall be replaced with conduits meeting the city of East Moline's standards as needed to prevent the collapse of the agricultural drainage conduit.

4. Agricultural drainage systems may be relocated within the development area upon the approval of the director of engineering. Such relocation shall maintain sufficient slope and capacity to prevent sedimentation and to prevent an increase in scouring or structural damage to the conduit. Such relocation shall only be with the consent and approval of the appropriate entity responsible for the system. If the system is not under the authority of a drainage district, the director of engineering shall consider the interests of those landowners who are served by the system.

(J) Channel Modifications: Channel modification is acceptable if the purpose is to restore natural conditions and improve water quality. If the proposed development activity involves a channel modification, it must be demonstrated that:

1. Water quality and other natural functions would be significantly improved by the modification or the impacts are offset by the replacement of an equivalent degree of natural resource values.

2. The activity has been planned and designed and will be constructed in a way which will minimize its adverse impacts on the natural conditions of the stream or body of water affected. (Ord. 07-18, 10-15-2007)

8-12-25: DETENTION SYSTEM DESIGN CRITERIA:

(A) Referenced Standards: Design standards for detention basin design and construction shall comply with the provisions of the following, unless otherwise stated by this ordinance:

1. "IL Urban Manual", latest edition.

2. "IDOT Standard Specifications", latest edition.

3. "IDOT Drainage Manual", latest edition.

4. IL department of natural resources dam safety regulations.

5. Clean water act (discharges regulated by the US EPA through NPDES permits).

6. City of East Moline design standards and technical specifications.

7. The subdivision and zoning ordinances.

(B) Detention Storage Requirements: The design storage to be provided in the detention basin shall be based on the runoff from the runoff difference between the 5-year predeveloped condition and the 100-year postdeveloped condition. All detention basin storage shall be computed using hydrograph methods utilizing reservoir routing (also called modified puls or level pool) or equivalent method as described by this ordinance.

(C) Waiver Of Requirements:

1. The requirement for storm water detention and release rate does not apply when:

(a) The development is in accord with the approved site plan and is on a lot in a new subdivision for which detention is otherwise provided.

(b) The development is on a lot or parcel in a subdivision for which detention was provided and approved prior to the effective date of these regulations.

2. The requirement for storm water detention and release rate shall be waived by the director of engineering when he/she determines it is in the best interest of the city of East Moline to require a fee in lieu of detention as described in subsection (O) of this section.

(D) Ownership: Detention basins are owned by the property owner (often a homeowners' association) unless otherwise described by this ordinance or indicated by the director of engineering. Property developers shall contact the director of engineering to inquire about the ownership and maintenance responsibility of existing regional detention basins which may affect the development.

(E) Maintenance And Repair Responsibilities:

1. Detention ponds and associated inflow and outflow systems are maintained by the property owner absent any specific legal agreement to the contrary.

2. Maintenance agreements may be required at the option of the director of engineering to define parties responsible for the maintenance of commercial detention basins.

3. The detention basin owner shall be responsible for the following items:

(a) An annual report on the detention basin condition, using the checklist attached to the ordinance codified herein, shall be submitted to the director of engineering.

(b) At five (5) year intervals, the basin shall be inspected by a professional engineer registered in the state of Illinois. A report of this inspection shall be submitted to the director of engineering within sixty (60) days of the inspection. The inspection shall include an evaluation of the checklist items in the checklist attached to the ordinance codified herein. An annual report is not required the year the five (5) year report is due.

(c) Detention basin owners shall notify subsequent owners of their maintenance responsibilities and transfer basin maintenance records to the party with active maintenance responsibility.

(d) These requirements shall be effective for all detention basins existing in the city of East Moline on the adoption date hereof as well as detention basins constructed after the effective date.

(F) General Basin Design Requirements:

1. Erosion Control: Temporary and permanent erosion control shall be required for all detention basins in accordance with this ordinance.

2. Verification And Final Approval:

(a) Erosion protection shall be inspected throughout the project duration.

(b) Detention basin storage volume shall be verified to the satisfaction of the director of engineering through as built surveys or other means.

(c) Inflow, outflow and emergency overflow elevations shall be verified through as built surveys.

(d) Final vegetative cover and permanent erosion control shall be inspected for completeness of cover.

(e) The basin will receive final approval upon fulfillment of subsections (F)2(b), (F)2(c), and (F)2(d) of this section, and the anniversary date of maintenance and repair reporting will be recorded as such.

(f) All basins must receive final approval within ninety (90) days of the substantial completion as determined by the director of engineering of any of the following:

(1) The first phase (as shown on approved plans) of construction of public utilities and roadways in any approved subdivision project. Detention structures for the ultimate development area must be constructed during the first phase of the project, and approved at its completion. The detention structures must then be maintained and repaired in conformance with this ordinance, during future construction phases.

(2) Parking areas, floor slabs and/or other impervious areas (as shown on approved plans, and not including sidewalks) for work on an individual lot requiring an individual permit under this ordinance. Phased construction will be treated as in the above case.

(3) Mass earthwork or rough grading, if no other phased construction is scheduled to be started within one hundred eighty (180) days.

(g) Failure to receive final approval as required will be considered a violation of this ordinance.

3. Infiltration Practices: To effectively reduce runoff volumes, infiltration practices including basins, trenches, and porous pavement shall follow criteria in the "Illinois Urban Manual" and other relevant permitting. An appropriate sediment control device shall be provided to remove coarse sediment from storm water flows before they reach infiltration basins or trenches. Storm water shall not be allowed to stand more than seventy two (72) hours over eighty percent (80%) of the dry basin's bottom area for the maximum design event to be exfiltrated. The bottom of infiltration basins or trenches shall be a minimum of three feet (3') above the seasonally high ground water and bedrock level if practicable. Engineering calculations demonstrating infiltration rates shall be included with the application.

4. Side Slopes: The side slopes of all detention basins at their design (full) capacity should be as level as practicable to prevent accidental falls into the basin and for stability and ease of maintenance. It is desirable for the side slopes of detention basins and open channels to not be steeper than three to one (3:1) (horizontal to vertical); certain types of basins have different requirements as defined by this ordinance.

Detention basin side slopes above normal pool shall be designed with permanent erosion protection consisting of grass, nongrass vegetation, or other permanent finish. At least six inches (6") of topsoil must be provided on side slopes above normal pool elevation whenever nonstructural, permanent erosion control is not being used. Permanent erosion protection shall be aesthetically suitable to the development or existing surrounding land use.

5. Overflow Structures: All storm water detention basins shall be provided with an overflow structure capable of safely passing excess flows at a stage at least one foot (1') below the lowest foundation grade in the vicinity of the detention basin. The design flow rate of the overflow structure shall be equivalent to the 100-year rainfall event inflow rate. Weirs, dams and specialized outflows shall be designed by a professional engineer registered in the state of Illinois.

6. Detention Basin Outlet Design:

   (a) Backwater on the outlet structure from the downstream drainage system shall be addressed when designing the outlet.

   (b) Where a single pipe outlet or orifice plate is to be used to control discharge, it shall have a minimum diameter of twelve inches (12"). If design release rates call for smaller outlets, a design that minimizes the possibility of clogging shall be used.

7. Other Design Requirements:

   (a) "Bubble up" outlets are prohibited.

   (b) Pumped outlets and other active control structures are discouraged and must be preapproved on a case by case basis by the director of engineering.

   (c) Temporary erosion techniques shall be used as required to ensure a full stand of cover vegetation in minimum time.

8. Location Requirements:

   (a) In subdivisions, detention basins and their 100-year design high water shall be contained within platted lots dedicated for drainage purposes. In redevelopments, detention basins and their 100-year design high water shall be contained within a drainage easement.

   (b) Detention basin lots shall have a minimum of twenty feet (20') of frontage on a right of way for the purpose of providing unrestricted access for maintenance. Exceptions may be made for infill development.

   (c) A twenty foot (20') minimum setback shall be required from all property lines to the normal pool elevation which is considered to be the elevation of the water level at the permanent depth of the wet basin pool rather than the temporary depth during drainage events.

   (d) Detention basins shall be provided with a minimum of one foot (1') of freeboard above the 100-year design water elevation.

(e) There shall be at least two feet (2') of freeboard between the 100-year design water elevation and all boundaries of the parcel or easement containing the basin.

9. Accommodating Flows From Upstream Tributary Areas: Storm water runoff from areas tributary to the property shall be considered in the design of the property's drainage system. Flows from upstream areas that are not to be detained should be routed around the basin being provided for the site being developed.

10. Upstream Areas Not Meeting Ordinance Requirements: When there are areas not meeting the storage and release rates of this ordinance, tributary to the applicant's property, the following steps shall be followed:

(a) The applicant shall compute the storage volume needed for his property using the release rates and procedures described in this ordinance.

(b) Areas tributary to the applicant's property, not meeting the storage and release rate requirements of this ordinance, shall be identified.

(c) Using the areas determined above plus the applicant's property area, total storage and release rates needed for the combined properties shall be computed using the release rates and procedures described in this ordinance. If tributary areas are not developed, a reasonable fully developed land cover, based on local zoning, shall be used for the purposes of computing storage.

(d) Once the necessary combined storage is computed, the city of East Moline may choose to pay for oversizing the applicant's detention basin to accommodate the regional flows. The applicant's responsibility will be limited to the storage for his property as computed above. If regional storage is selected by the city of East Moline, the director of engineering will work with the applicant to implement the requirements of this ordinance. If regional storage is rejected by the city of East Moline, the applicant shall bypass all tributary area flows around the applicant's basin whenever practicable as determined by the director of engineering. If the applicant must route upstream flows through his basin and the upstream areas exceed one square mile in size, the applicant must meet the provisions of on stream detention in this ordinance.

11. Upstream Areas Meeting Ordinance Requirements: When there are areas which meet the storage and release rate requirements of this ordinance, tributary to the applicant's property, the upstream flows shall be bypassed around the applicant's detention basin if this is the only practicable alternative as determined by the director of engineering. Storage needed for the applicant's property shall be computed as described in this ordinance. However, if the city of East Moline decides to route tributary area flows through an applicant's basin, the final design storm water releases shall be based on the combined total of the applicant's property plus tributary areas. It must be shown that at no time will the runoff rate from the applicant's property exceed the allowable release rate for his/her property alone.

12. Early Completion Of Detention Facilities: Where detention or retention are to be used as part of the drainage system for a property, they shall be constructed as the first element of the initial earthwork program. Any eroded sediment captured in these

facilities shall be removed by the applicant on a regular basis and before project completion in order to maintain the design volume of the facilities.

(G) Wet Detention Basin Design: Wet detention basins shall be designed to remove storm water pollutants, to be safe, to be aesthetically pleasing, and as much as feasible to be available for recreational use.

1. Depths: Wet basins shall be at least three feet (3') deep, excluding near shore banks and safety ledges. If fish habitat is to be provided they shall be at least ten feet (10') deep over twenty five percent (25%) of the bottom area to prevent winter kill.

2. Shoreline Slopes: The side slopes of wet basins at the normal pool elevation shall not be steeper than five to one (5:1) horizontal to vertical. It is recommended that native aquatic vegetation be established around the perimeter to provide protection from shoreline erosion. Slopes below a depth of eight feet (8') are permitted to be two to one (2:1), in accordance with IDOT standard specifications section 204.

3. Permanent Pool Volume: The permanent pool volume in a wet basin at normal depth shall be equal to the runoff volume from its watershed for the 2-year, twenty four (24) hour event as a minimum.

4. Inlet And Outlet Orientation: The distance between detention inlets and outlets shall be maximized. Inlets and outlets shall be at opposite ends of the basin providing that the orientation does not create undue hardship based on topography or other natural constraints. Designers are encouraged to use baffles or berms in the basin bottom to prevent short circuiting. There shall be no low flow bypass between the inlet and outlet. The minimum flow length shall be ten feet (10') with a recommended minimum ratio of two to one (2:1) for width.

5. Safety Ledge: All wet detention basins shall have a level safety ledge at least four feet (4') in width, two and one-half ($2^1/_2$) to three feet (3') below the normal water depth.

6. Aeration: Wet bottom basins shall have a natural or artificial means of aeration.

7. Dewatering: An outlet structure shall be provided to allow dewatering of the pond for maintenance. Gravity dewatering is strongly preferred.

8. Soil Permeability: Wet bottom basin design shall include an evaluation of soil permeability. A basin liner shall be included in the design if needed to ensure water retention to normal pool elevation.

9. Detention/Sedimentation: It is encouraged that consideration of routing runoff from the development through a stilling basin be considered.

(H) Dry Detention Basin Design: In addition to the other requirements of this ordinance, dry basins shall be designed to remove storm water pollutants, to be safe, to be aesthetically pleasing and as much as feasible to be available for multiple uses.

1. Dry Basin Drainage: Dry basins shall be designed so that eighty percent (80%) of their bottom area shall have standing water no longer than seventy two (72) hours for any runoff event less than the 100-year, twenty four (24) hour event. Grading plans shall clearly distinguish the wet portion of the basin bottom. Underdrains directed to the outlet may be used to accomplish this requirement.

2. Minimum Bottom Slope: Dry bottom basins shall have two percent (2%) minimum bottom slopes or underdrain systems as approved by the director of engineering.

3. Low Flow Channel: Dry bottom basins may include a low flow channel with some form of erosion protection.

4. Velocity Dissipation: Velocity dissipation measures shall be incorporated into dry basin designs to minimize erosion at inlets and outlets and to minimize resuspension of pollutants.

5. Dry Basin Inlet And Outlet Orientation: Dry basin inlet and outlet orientation shall be the same as for wet basins.

6. Temporary Sediment Trap: A sediment trap shall be constructed at each major inlet to a dry basin during construction. The temporary sediment trap should be designed in accordance with criteria in the "Illinois Urban Manual".

(I) Detention On Prime Farmland: The placement of detention basins shall avoid the utilization of prime farmland. All detention basin construction shall examine potential impacts to adjacent agricultural land and shall address measures that will be implemented to eliminate such impacts and comply with other relevant permitting.

(J) Detention In Floodplains: The placement of detention basins within the floodplain is strongly discouraged because of questions about their reliable operation during flood events. However, the storm water detention requirements of this ordinance may be fulfilled by providing detention storage within flood fringe areas on the project site, provided the following provisions are met as well as all required state, federal and local permits.

1. Detention In Flood Fringe Areas: The placement of a detention basin in a flood fringe area shall require compensatory storage for 1.5 times the volume below the base flood elevation occupied by the detention basin, including any berms. The release from the detention storage provided shall still be controlled consistent with the requirements of this section. The applicant shall demonstrate its operation for all stream flow and floodplain backwater conditions. Excavations for compensatory storage along watercourses shall be opposite or adjacent to the area occupied by detention. All floodplain storage lost below the existing 10-year flood elevation shall be replaced below the existing 10-year elevation. All floodplain storage lost above the existing 10-year flood elevation shall be replaced above the existing 10-year flood elevation. All compensatory storage excavations shall be constructed to drain freely and openly to the watercourse.

2. Detention In Floodways: Detention basins shall be placed in the floodway only in accordance with subsection (J)3 of this section.

3. On Stream Detention: On stream detention basins are discouraged but allowable if they provide regional public benefits and if they meet the other provisions of this ordinance with respect to water quality and control of the 5-year and 100-year, twenty four (24) hour events from the property. The volume of detention shall be provided in addition to the existing stream floodway storage. Further criteria are presented in subsection (K) of this section. If on stream detention is used in watersheds larger than one square mile, the applicant will use hydrographic modeling to demonstrate that the design will not increase the water level for any properties upstream or downstream of the property. Also, impoundment of the stream as part of on stream detention:

(a) Shall not prevent the migration of indigenous fish species, which require access to upstream areas as part of their life cycle, such as for spawning;

(b) Shall not cause or contribute to the degradation of water quality or stream aquatic habitat;

(c) Shall include a design calling for gradual bank slopes, appropriate bank stabilization measures, and a presedimentation basin;

(d) Shall not involve any stream channelization or the filling of wetlands;

(e) Shall require the implementation of an effective nonpoint source management program throughout the upstream watershed which shall include as a minimum: runoff reduction "best management practices" (BMPs) consistent with section 8-12-23 of this chapter;

(f) Shall not occur downstream of a wastewater discharge;

(g) Shall not contribute to the duration or flood frequency of any adjacent land.

(K) Drainage Into Wetlands, Rivers, Streams, Lakes, Ponds, And Areas: Wetlands, rivers, streams, lakes and ponds shall be protected from damaging modifications and adverse changes in runoff quality and quantity associated with land developments. In addition to the other requirements of this ordinance, the following requirements shall be met for all developments whose drainage flows into wetlands, rivers, lakes or ponds:

1. Detention In Wetlands, Rivers, Streams, Lakes Or Ponds: Existing wetlands, rivers, lakes, or ponds shall not be modified for the purposes of storm water detention unless it is demonstrated that the proposed modifications will maintain or improve its habitat and ability to perform beneficial functions and shall comply with other relevant permitting. Existing storage and release rate characteristics of wetlands, rivers, lakes or ponds shall be maintained and the volume of detention storage provided to meet the requirements of this section shall be in addition to this existing storage.

2. Sediment Control: The existing wetlands, rivers, lakes or ponds shall be protected during construction and as further regulated in this chapter.

3. Alteration Of Drainage Patterns: Site drainage patterns shall not be altered to substantially decrease or increase the existing area tributary to wetlands, rivers, lakes or ponds. Drainage patterns shall not be altered by development to direct runoff off site to other than natural drainage outlets existing prior to development.

4. Detention/Sedimentation: All runoff from the development shall be routed through a preliminary detention/sedimentation basin designed to capture the 2-year, twenty four (24) hour event and hold it for at least twenty four (24) hours, before being discharged to the basin. This basin shall be constructed before property grading begins and shall be maintained throughout the construction process. In addition, the BMP hierarchy defined in section 8-12-23 of this chapter, should be followed to minimize runoff volumes and rates being discharged.

5. Vegetated Buffer Strip: A buffer strip of at least twenty five feet (25') in width, preferably vegetated with native plant species, shall be maintained or restored around the periphery of a wetland, river, stream, lake or pond.

(L) Street Detention: If streets are to be used as part of the minor or major drainage system, ponding depths shall follow the criteria below:

1. Principal And Minor Arterials:

   (a) Flow from a 10-year storm shall not inundate the center twenty feet (20') of the pavement.

   (b) Flow from a 50-year storm shall be carried without damage to any building.

2. Collector Streets:

   (a) Flow from a 10-year storm shall not inundate the center ten feet (10') of the pavement.

   (b) Flow from a 50-year storm shall be carried without damage to any building.

3. Local Streets:

   (a) Flow from a 10-year storm shall not top the curb.

   (b) Flow from a 50-year storm shall be carried without damage to any building.

(M) Parking Lot Detention: The maximum storm water ponding depth in any parking area shall not exceed six inches (6").

(N) Rooftop Detention: Rooftop storage of excess storm water shall be designed and constructed to meet with the city of East Moline building code.

(O) Fee In Lieu Of Detention:

1. For the purpose of satisfying the requirements for storm water detention or compensatory storage for a development or redevelopment on a property for which detention or compensatory storage was not previously provided, a fee in lieu of detention or compensatory storage may be assessed against the development prior to the issuance of a permit. Fees shall be calculated to establish the property's fair share of costs to provide detention or compensatory storage for the watershed or drainage basin in which the property exists. The cost figures used for detention shall be actual costs for detention or compensatory storage being provided by contract or estimated costs for planned detention or compensatory storage facilities approved by the director of engineering. All revenues received through such fees shall be used for no purpose other than defraying public costs associated with providing detention or compensatory storage facilities.

2. The city of East Moline also may require a fee for each acre/foot of detention needed in lieu of the applicant building a basin on site, provided the property will discharge storm water into existing or proposed detention facilities with added capacity for the additional runoff.

(P) Cooperative Detention: The city of East Moline will consider joint detention facilities developed through cooperative efforts that comply with all requirements of this ordinance. (Ord. 07-18, 10-15-2007)

8-12-26: STORM WATER POLLUTION PREVENTION PLAN (SWPPP):

(A) General:

1. The area disturbed shall be assumed to include the entire property area unless the applicable plans specifically exclude certain areas from disturbance.

2. The owner bears the responsibility for implementation of the SWPPP and notification of all contractors and utility agencies on the site.

3. SWPPPs must be provided for all phases of development, including sanitary sewer construction, storm drainage system construction, water line, street and sidewalk construction, general grading and the construction of individual homes. The class 2 grading and drainage permit holder will not be required to provide an SWPPP for the activities of utility agencies.

4. The regulations for construction or postconstruction management will be used for all regulated construction sites that are contained in the most recent edition of the "Illinois Urban Manual".

5. The city of East Moline will use the Illinois department of transportation (IDOT) system of compliance that is outlined in the "Bureau Of Design And Environment (BDE) Design Manual".

6. The subsequent owners of individual lots in a subdivision with an approved SWPPP bears the responsibility for continued implementation of the approved SWPPPs for all construction activity within or related to the individual lot, excluding construction managed by utility agencies.

(B) Requirements For Utility Construction:

1. Utility companies shall be responsible for compliance with the requirements of this ordinance.

2. Utility companies shall develop and implement best management practices (BMPs) to prevent the discharge of pollutants on any site of utility construction within the city of East Moline. Disturbed areas shall be minimized, disturbed soil shall be managed and construction site entrances shall be managed to prevent sediment tracking. Sediment tracked onto public streets shall be removed immediately by the utility agency.

3. Prior to entering a construction site, utility agencies shall obtain a copy of any SWPPPs for the project from the owner. Any disturbance to BMPs resulting from utility construction shall be repaired immediately by the utility company in compliance with the SWPPP.

(C) Required Documentation: A class 2 grading and drainage permit requires the execution and record maintenance of the following forms and reports (see also the erosion control plan action matrix, NPDES action matrix - IDOT). The most current version of the standard forms from the Illinois department of transportation and the Illinois environmental protection agency (IEPA) shall be used. The approved project erosion control documents shall be kept on file at the construction site or at a nearby field office and must be made available to the general public upon request.

1. A storm water pollution prevention plan (SWPPP) using the IDOT SWPPP template (form BDE 2342).

2. A contractor certification statement (CCS) prepared prior to the start of construction by the contractor responsible for erosion control using the IDOT CCS template (form BDE 2342a). The grading and drainage permit holder shall provide the contractor responsible for erosion control with a copy of the IEPA NPDES statewide permit ILR10.

3. A notice of intent (NOI) shall be filed at least forty eight (48) hours prior to the start of construction and shall be prepared by the grading and drainage permit holder (the original sent by certified mail to the IEPA with transmittal copy to the director of engineering, and a copy kept in the project erosion control file). Use the IDOT NOI template (found in forms section of the "IDOT Construction Manual" WPC 623).

4. A NPDES/erosion control inspection report (ECIR) shall be prepared by the grading and drainage permit holder on a weekly basis and after any one-half inch ($^1/_2$") rainfall (to be kept in the project erosion control file). Use current IDOT ECIR template (BC 2259).

5. An incidence of noncompliance (ION) and corrective action shall be filed by the grading and drainage permit holder within five (5) working days of the incident (the original sent by certified mail to the IEPA with transmittal copy to the director of engineering and a copy kept in the project erosion control file). Use current IDOT ION template (found in forms section of the IDOT construction manual WPC 624).

6. A notice of termination (NOT) shall be filed upon final stabilization of erosion (minimum 70 percent viable vegetative growth) by the grading and drainage permit holder (the original sent by certified mail to the IEPA with transmittal copy to the director of engineering and a copy kept in the project erosion control file). Use current IDOT NOT template V (found in forms section of the "IDOT Construction Manual" WPC 621).

(D) Applicability And Guidelines:

1. It is the responsibility of the grading and drainage permit holder to prepare and maintain documentation to meet the NPDES permit requirements for private grading and construction projects.

2. The director of engineering shall be given immediate access to all required project NPDES documents.

3. All notices sent to the IEPA shall be copied to the director of engineering.

(E) Referenced Standards: Design standards for erosion and sediment control shall comply with the most current provisions of the US EPA regulations, IEPA regulations, IDOT erosion control/NPDES guidelines and per the "Illinois Urban Manual", prepared by the United States department of agriculture, natural resources conservation service unless otherwise stated by this ordinance.

(F) General Erosion And Sediment Control Design Features: The following principles shall apply to all construction undertaken under the authorization of a class 2 grading and drainage permit:

1. New development or redevelopment shall be designed to create the least potential for erosion. The disturbance of slopes greater than seven percent (7%) should be avoided wherever possible. Natural contours should be followed as closely as possible.

2. Natural vegetation shall be retained and protected wherever possible. Areas immediately adjacent to natural watercourses, lakes, ponds, and wetlands are to be left undisturbed wherever possible. Temporary crossings of watercourses, when permitted, must include appropriate stabilization measures.

3. Special precautions shall be taken to prevent damages resultant from any necessary development activity within or adjacent to any stream, lake, pond or wetland. Preventative measures shall reflect the sensitivity of these areas to erosion and sedimentation.

4. The smallest practical area of land should be exposed for the shortest practical time during development.

5. Sediment basins or traps, filter barriers, diversions, and any other appropriate sediment or runoff control measures shall be installed prior to site clearing and grading and maintained to remove sediment from runoff waters from land undergoing development.

6. In the design of erosion control facilities and practices, aesthetics and the requirements of continuing maintenance must be considered.

7. Provisions shall be made to accommodate the increased runoff caused by changed soil and surface conditions during and after development. Drainageways should be designed so that their final gradients and the resultant velocities and rates of discharge will not create additional erosion on site or downstream.

8. Permanent vegetation and structures shall be installed and functional as soon as practical during development. Disturbed areas shall be stabilized with approved permanent measures within seven (7) calendar days following the end of active disturbance or redisturbance.

9. Those areas being converted from agricultural purposes to other land uses shall be vegetated with an appropriate protective cover prior to development.

10. All waste generated as a result of site development activity shall be properly disposed of and shall be prevented from being carried off the site by either wind or water.

11. All construction sites shall provide measures to prevent sediment from being tracked onto public or private roadways.

12. All temporary soil erosion and sediment control practices shall be maintained to function as intended until the contributing drainage area has been permanently stabilized at which time they shall be removed within thirty (30) days after final site stabilization.

(G) Materials And Construction Notes:

1. Silt fence and coconut fiber shall be installed in accordance with the material and construction requirements of the "Illinois Urban Manual".

2. Erosion control blankets, bales, seeding and riprap shall be installed in accordance with material and construction requirements of the "Illinois Urban Manual", latest edition.

(H) Testing And Inspection: For testing and inspection use the residents weekly NPDES/erosion control inspection report BC 2259 from the "Illinois DOT Construction Manual".

(I) Grading And Drainage Plan Requirements: A grading and drainage plan shall be submitted showing all measures necessary to meet the objectives of this ordinance throughout all phases of construction. The development of a grading and drainage plan shall follow the requirements of this ordinance and the procedures in the latest edition of the "Illinois Procedures And Standards For Urban Soil Erosion And Sedimentation Control" which is hereby incorporated into this ordinance by reference. Standards and specifications for BMPs shall follow the requirements of this ordinance and the criteria in the latest edition of the "Illinois Urban Manual" which is hereby incorporated into this ordinance by reference. The director of engineering may waive specific requirements for the content of submissions upon finding that the information submitted is sufficient to show that the work will comply with the objectives and principles of this ordinance. Permanent soil erosion and sediment control features needed at the completion of any development site shall be included in the submittal.

The submitted grading and drainage plan shall include:

1. Mapping And Descriptions: The existing and proposed erosion and sediment control features of the property and immediate vicinity including:

(a) Items as required for the grading and drainage plan submittal.

(b) Location of the slope disturbance line.

(c) Location and description of the soil erosion and sediment control measures to be employed during construction.

(d) For any structures proposed to be located on the slope side of the slope disturbance line, the map shall include the limits of disturbance including: tree removal, soil erosion and sediment control measures during construction, details of method(s) proposed for providing slope stability, permanent storm water control measures, and permanent erosion and sediment control measures all being certified by a registered professional engineer or a "certified professional erosion control specialist".

(e) The predominant soil types on the site, their location, and their limitations for the proposed use as defined by the USDA natural resources conservation service (NRCS).

(f) Location and description, including standard details, of all sediment control measures and specifics of sediment basins and traps, including outlet details.

(g) Location and description (specification) of all soil stabilization and erosion control measures, including seeding mixtures and rates, types of sod, method of seedbed preparation (type and extent of tillage, weed control, planting equipment, etc.), expected seeding dates, type, method and rate of lime and fertilizer application (soil fertility testing required), kind and quantity of mulching for both temporary and permanent vegetative control measures, and types of nonvegetative stabilization measures.

(h) Location and description of all runoff control measures, including diversions, waterways, and outlets.

(i) Location and description of methods to prevent tracking of sediment off site including construction entrance details, as appropriate.

(j) Description of dust and traffic control measures.

(k) Provisions for maintenance of control measures, including type and frequency of maintenance, easements, and estimates of the cost of maintenance.

(l) Identification (name, address, and telephone) of the person(s) or entity which will have legal responsibility for maintenance of soil erosion control structures and measures during development and after development is completed.

(J) Site Development Requirements: On site sediment control measures, as specified by the following criteria, shall be constructed as specified in the referenced handbooks, and functional prior to initiating clearing, grading, stripping, excavating or fill activities on the site.

1. For new developments or redevelopments of more than one acre but less than five (5) acres, a sediment trap or equivalent control measure shall be constructed at the down slope point of the disturbed area.

2. For new developments or redevelopments of one acre or more, a sediment basin or equivalent control measure shall be constructed at the down slope point of the disturbed area.

3. Sediment basin and sediment trap designs shall provide for both "dry" detention and "wet" detention sediment storage. The detention storage shall be composed of equal volumes of "wet" detention storage and "dry" detention storage and each shall be sized as regulated in this ordinance. The release rate of the basin shall be that rate as regulated in this ordinance. The elevation of the outlet structure shall be placed such that it only drains the dry detention storage.

4. The sediment storage shall be sized to store the estimated sediment load generated from the site over the duration of the construction period with a minimum storage equivalent to the volume or sediment generated in one year. For construction periods exceeding one year, the one year sediment load and a sediment removal schedule may be substituted.

5. To the extent possible or as otherwise regulated in this ordinance all desirable trees eight inches (8") in diameter and larger shall be protected for their present and future value for erosion protection and other environmental benefits. Trees that have been selected for preservation shall be protected following criteria from the "Illinois Urban Manual" prior to the beginning of any clearing, grading, stripping, excavation, or filling of the site. A "no" construction zone shall be established and marked at the perimeter of the drip line of each tree which is to be preserved.

6. Storm water conveyance channels, including ditches, swales, and diversions, and the outlets of all channels and pipes shall be designed and constructed as regulated in this ordinance. All constructed or modified channels shall be stabilized within forty eight (48) hours, consistent with the following standards and as required in the referenced handbooks:

   (a) For grades up to four percent (4%), seeding in combination with mulch, erosion blanket, or an equivalent control measure shall be applied. Sod or erosion blanket or mat shall be applied to the bottom of the channel.

   (b) For grades of four (4) to eight percent (8%), sod or an equivalent control measure shall be applied in the channel.

   (c) For grades greater than eight percent (8%), rock, riprap, or an equivalent control measure shall be applied over filter fabric or other type of soil protection, or the grade shall be effectively reduced using drop structures.

7. Land disturbance activities in stream channels shall be avoided, where possible, or as regulated by this ordinance. If disturbance activities are unavoidable, the following requirements shall be met:

   (a) Construction vehicles shall be kept out of the stream channel to the maximum extent practicable. Where construction crossings are necessary, temporary crossings shall be constructed of nonerosive material, such as riprap or gravel.

   (b) The time and area of disturbance of stream channels shall be kept to a minimum. The stream channel, including bed and banks, shall be stabilized within forty eight (48) hours after channel disturbance is completed, interrupted, or stopped.

   (c) Whenever channel relocation is necessary, the new channel shall be constructed under dry conditions and fully stabilized before flow is diverted, incorporating meanders, pool and riffle sequence, and riparian planting.

8. Storm sewer inlets and culverts shall be protected by sediment traps or filter barriers meeting accepted design standards and specifications.

9. Soil storage piles containing more than ten (10) cubic yards of material shall not be located with a down slope drainage length of less than fifty feet (50') to a roadway, drainage channel, or abandoned mine. Filter barriers, including straw bales, filter fence, or equivalent, shall be installed immediately surrounding the perimeter of the pile.

10. If dewatering devices are used, discharge locations shall be protected from erosion. All pumped discharges shall be routed through appropriately designed sediment traps or basins, or equivalent and shall not be deposited into an abandoned mine.

11. Each site shall have graveled (or equivalent) entrance roads, access drives, and parking areas of sufficient length and width to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by shoveling or street cleaning (not flushing) before the end of each

workday and transported to a controlled sediment disposal area. (Ord. 07-18, 10-15-2007)

8-13-1: PURPOSE; INTENT:

(A) The purpose of this chapter is to establish a stormwater utility to protect the public health, safety, and welfare of the residents of East Moline from damage caused by stormwater runoff and floods by reduction, control and prevention of the discharge of pollutants to the city's municipal separate storm sewer utility system. The stormwater utility shall be responsible for collecting revenue to directly support maintenance and repair of the existing storm drain systems, development of drainage plans, flood control measures, and water quality programs, and funding of capital improvements. The stormwater utility shall require that all property owners within the city, all of whom ultimately benefit from the aforementioned, pay an appropriate share of the cost of the drainage, detention and flood protection facilities necessary to manage such stormwater and floods.

The stormwater utility shall function as a self-supported "enterprise fund" in the city budget and accounting system, separate and apart from the city's general fund for purpose of dedicating and protecting all funding applicable to the utility's operation, maintenance, and capital financing costs.

(B) Some specific stormwater management services the city of East Moline is responsible for include:

1. Maintaining the city's levees and flood protection infrastructure.
2. Developing, administering, inspecting, and enforcing a federally mandated stormwater program that is required by USEPA's phase II of the national pollutant discharge elimination system (NPDES) program.
3. Preventing harmful pollutants from being washed by stormwater runoff into local streams and rivers as required by USEPA.
4. Keeping public streets drained and cleared to make travel safe and minimize flood hazards.
5. Performing necessary maintenance, repairs and replacement of aging stormwater infrastructure including stormwater inlets, pipes, culverts, and other structures to safely collect and convey stormwater through all parts of the city.
6. Making repairs to ravines, ditches, open stream channel systems, and other public drainageways to reduce erosion and loss of property.
7. Ongoing inspection and maintenance to mitigate existing and future problems.

(C) It is the intent of the city council in enacting this chapter:

1. To promote public health, safety, and welfare by permitting the movement of emergency vehicles during flooding periods and minimizing flood losses and the inconvenience and damage to property and infrastructure resulting from uncontrolled and unplanned stormwater runoff in the city;

2. To establish a stormwater utility to coordinate, design, construct, manage, operate, and maintain the city's stormwater conveyance system and flood protection infrastructure and to fund the same;

3. To provide for and promote compliance by the city with federal and state laws governing the discharge of pollutants from the municipal storm sewer system and to provide for and promote compliance with a national pollutant discharge elimination system (NPDES) permit issued to the city for such discharge;

4. To establish reasonable stormwater fees based on the approximate contribution of stormwater runoff from each parcel to the city's drainage facilities which will provide a stable funding source to enable the city of East Moline to construct, operate, maintain, administer and replace the city of East Moline stormwater conveyance system, flood protection infrastructure and for compliance with United States environmental protection agency (USEPA) stormwater NPDES permit requirements;

5. To encourage and facilitate urban water resources management techniques, including, without limitation, detention of stormwater and floodwater, reduction of the need to construct storm sewers, reduction of pollution, and enhancement of the environment;

6. To maintain and improve the quality of waterways impacted by the storm drainage system within the city of East Moline;

7. To preserve property values by protecting new and existing buildings and improvements to buildings from damage due to stormwater and/or floodwater;

8. To assure that new developments and redevelopments do not increase flood or drainage hazards to others, or create unstable conditions susceptible to erosion;

9. To preserve the natural characteristics of stream corridors in order to moderate flood and storm water impacts, and to protect water quality;

10. To prevent the discharge of contaminated stormwater runoff and illicit discharges from industrial, commercial, residential, and construction sites into the storm drainage system within the city of East Moline;

11. To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the storm drainage system;

12. To encourage recycling of used motor oil and safe disposal of other hazardous consumer products. (Ord. 09-16, 8-17-2009)

CITY OF EAST MOLINE

Permit No. _____

APPLICATION FOR GRADING AND DRAINAGE PERMIT

City of East Moline, Illinois

Check One:

- ☐ Class 1 Permit (impervious area: 1,000 sf to 1 acre, land disturbance: 10,000 sf to 1 acre)
- ☐ Class 2 Permit (impervious area: > 1 acre, land disturbance: > 1 acre)

Applicant/Developer: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Owner (if Different from Applicant): _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Contractor: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Consultant: _____
Address: _____
Phone No.: _____ Fax No.: _____
E-Mail: _____

Site Location: _____

¼ Section/Section/Township/Range: _____

General Description of Proposed Development: _____

I hereby certify that all construction covered by this Grading and Drainage Permit shall be undertaken in compliance with the East Moline Storm Water Control Ordinance and in accordance with the construction plans approved upon issuance of this permit

_____ _____
Applicant/Developer Date Owner (if different than Applicant) Date

For Office Use Only:

Application Fee: ☐ $150.00 (Class 1) ☐ $250.00 (Class 2)

* Applications must be submitted to the East Moline Engineering & Maintenance Building front desk between 7:00 a.m.- 3:30 p.m. Applications will not be accepted without fee in the form of check or money order. Please make checks payable to: "City of East Moline"

Date Filed: _____
Application Recv'd by: _____

Class 1 and 2 Permits

___ Application (1 copy)
___ Site Plan (6 copies)
___ Reduced-Size Site Plan (1 copy)

Class 2 Permits Only

___ Performance Bond / L.O.C.
___ Engineering Calculations
___ Engineering Certifications
___ SWPPP & NPDES Permit
___ Electronic Site Plan (PDF)

CITY OF EAST MOLINE

SITE PLAN REQUIREMENTS

Class 1 Grading & Drainage Permit

Site plan shall indicate (a) existing and proposed topography, (b) proposed grading and drainage, and (c) the amount of impervious area being created and/or area of disturbed soil.

Class 2 Grading & Drainage Permit

Site plan shall indicate both existing and proposed property conditions for applicable developments and for an appropriate distance surrounding the subject property. The plan shall be based on a topographic survey of the property, shall be drawn at a scale of not more than fifty (50) feet to one (1) inch, and include the following (unless otherwise specified by the Director of Engineering):

1. Proposed and existing grading shown with one (1) foot contours. East Moline city datum shall be used (unless otherwise specified by the Director of Engineering).
2. Property boundary, interior lot lines (if applicable), dimensions, and acreage
3. Zoning classification and required setback dimensions
4. All existing and proposed structures and sizes
5. Existing and proposed streets, driveways, sidewalks, parking lots or other similar features
6. Square feet of existing and proposed impervious surface
7. Existing and proposed easements and right-of-way
8. Existing abandoned and proposed water or monitoring well head locations
9. Existing abandoned and proposed water mains
10. Existing and proposed sanitary sewer lines and septic systems
11. The banks and centerline of streams and channels
12. Shoreline of lakes, ponds, and detention basins with normal water level elevation
13. Farm drains and tiles
14. All existing and proposed of storm water conduits and drainage swales showing location, size and slope
15. Detention facilities
16. Overland flow path for storm water flow that exceeds the capacity of on-site drainage features.
17. Existing and proposed storm water inlets, manholes, outlets or other drainage structures, including finished grades
18. Existing and proposed utilities.
19. Base flood elevation, flood fringe, and regulatory floodway
20. Location map, locating the site within the City of East Moline.
21. Title, scale, north arrow, legend, seal of Licensed Professional Engineer, date, and name of person preparing plans
22. Sub-watershed boundaries within the property
23. Abandoned Mines
24. Soil Classifications
25. Existing and proposed fencing indicating the type and height of fence
26. Construction plans for public or private improvements for streets, storm drainage, sewer, water, or other utilities.
27. The limits of designated regulatory and/or non-regulatory wetland areas
28. The location of trees greater than eight (8) inches in diameter in areas to be disturbed
29. Any designated natural areas or prime farmland
30. Any proposed environmental mitigation features

CERTIFICATION REQUIREMENTS (Class 2 Permits)

1. Basis of design for the final drainage system components
2. A statement giving any applicable engineering assumptions and calculations
3. A statement by the design engineer of the drainage system's provision for handling events greater than the 100 year, 24 hour runoff
4. A statement of certification of all plans, calculations, and supporting data by a Licensed P.E.
5. Design calculations and other submittals as required by ordinance

>1 ACRE
CLASS 2

CITY OF EAST MOLINE

GRADING AND DRAINAGE PERMIT INSPECTION REPORT

053-2018 JOB

PERMIT NUMBER: 2018-015
(Attach Copy of Permit)

PROJECT NAME: VICTORY BAPTIST

DATE OF INSPECTION: 3/27/19

NAME OF INSPECTOR: EKW

TYPE OF INSPECTION:

- ☐ Prior to the start of any land disturbing activities
- ☐ Upon Completion of installation of erosion control measures
- ☐ As deemed necessary during construction
- ☐ After final stabilization and landscaping and prior to removal of temporary sediment controls
- ☐ OTHER / IEPA

GENERAL OBSERVATIONS OF GRADING OPERATIONS:

1. Conformance to general grades of proposed contours: NO GRADING YET ONLY FILL
2. Conformance of proposed structures (type, size and location): NO INFRASTRUCTURE YET
3. Located SWPPP Document on site and up-to-date?
   - ☐ Yes
   - ☒ No DIDN'T ASK FOR IT YET - DID NOT NOTIFY RONA
4. Observations of adjacent properties and facilities: GOOD

APPROXIMATE PERCENT OF PROPOSED IMPERVIOUS SURFACE CONSTRUCTED: 0

CONDITION OF STREAM BANKS, CHANNELS, LAKES AND PONDS (IF APPLICABLE): FINE

GENERAL OBSERVATION OF DRAINAGE AND EROSION CONTROL MEASURES:

1. **General**
   Are all of the temporary and permanent erosion control measures in place? YES NO NA
   Notes:
   Are all of the temporary and permanent erosion control measures operating correctly? YES NO NA
   Notes:
   Are all of the erosion control measures being properly maintained? YES NO NA
   Notes:

2. **Stabilization measures**
   A. Temporary Seeding

Is the site free of exposed soil? YES NO NA
Notes: NA
Is the site free of washouts? YES NO NA
Notes: NA
Is the vegetative growth healthy? YES NO NA
Notes: NA

B. Permanent seeding
Is the site free of bare spots? YES NO NA
Notes:
Is the site free of washouts? YES NO NA
Notes:
Is the vegetative growth healthy? YES NO NA
Notes:

NA

C. Mulching
Is the site free of washouts? YES NO NA
Notes:
Is the site free of erosion? YES NO NA
Notes:
Is the mulch allowing a healthy growth? YES NO NA
Notes:

NA

D. Is the mat free of tears or bear spots? YES NO NA
Notes:
Is the mat securely attached to the ground? YES NO NA
Notes:

NA

3. **Preservation of Natural Vegetation**
Are the disturbed areas being minimized? YES NO NA
Notes:

Is the existing vegetation being maintained as long as practical? YES NO NA
Notes:

4. **Dust Control**
Are the dust control measures working effectively? YES NO NA
Notes:

5. **Silt fence**
Is the sediment less than 1/3 the height of the silt fence? YES NO NA
Notes:
Is the fabric intact (i.e. no tears)? YES NO NA
Notes:
Is the fabric securely attached to the fence posts? YES NO NA
Notes:
Are the fence posts securely fastened into the ground? YES NO NA
Notes:

6. **Compost filter sock**
Is the sediment less than 1/3 the height of the filter sock? YES NO NA
Notes:
Is the fabric intact (i.e. no tears)? YES NO NA
Notes:
Are the socks securely attached to the ground? YES NO NA
Notes:

Is the compost filter rock area absent of signs of erosion? YES NO NA
Notes:

7. **Storm sewer system**
Are the inlets & outlets in good condition? YES NO NA
Notes:
Is the storm sewer system free of trash and debris? YES NO NA
Notes:
Are the storm sewer pipes free of sediment? YES NO NA
Notes:

NA

8. **Storm Drain inlet protection**
Is the sediment less than ½ the capacity of the inlet protection measure? YES NO NA
Notes:
Is the inlet protection free of trash and debris? YES NO NA
Notes:

NA

9. **Detention Pond**
Is the detention pond outlet absent of sediment collection? YES NO NA
Notes:
Is the detention pond basin absent of erosion? YES NO NA
Notes:
Is outlet structure in tact? YES NO NA
Notes:
Is the outlet free of debris? YES NO NA
Notes:

NA

SUMMARY OF INSPECTION:

The following maintenance shall be performed (describe maintenance activities, locations and dates):

NONE

Recommended revisions to pollution prevention plan (class 2 permits only):

NONE

Other comments: PERIMETER + TRACKING CONTROLS ARE GREAT AT THIS

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.

Erica Williams
SIGNED

3/27/19
DATE

From: Meyer, Jill
To: Erica Williams
Cc: Cindy Mire
Subject: RE: The Bend Convention Center Inspection
Date: Thursday, April 25, 2019 9:09:48 AM

Hi Erica:
Yes, the site inspection was completed after the rain on Monday night at The Bend Events Center. It is in the SWPPP book that is on site. I have contacted Mohr Enterprises and asked them to put some additional stabilization in place and clean the roads, etc. They will take care of this.
Thank you!

Jill Meyer, LEED AP BD+C
Project Manager
Russell
4600 E. 53rd Street | Davenport, IA 52807
[T] 563.459.4600 [D] 563.459.4600 [M] 563.529.0605
Website | Email | Facebook | LinkedIn | YouTube | vCard

From: Erica Williams <ewilliams@eastmoline.com>
Sent: Thursday, April 25, 2019 8:44 AM
To: Meyer, Jill <jmeyer@russellco.com>
Cc: Cindy Mire <Cindy.Mire@eastmolineglass.com>
Subject: The Bend Convention Center Inspection

Hello Jill,

As a result of the rain on Monday night, a site inspection was required within 24 hours, as dictated by the NPDES permit. I'm not sure if one was done on your behalf, but when I drove by on Tuesday, I found some tracking and washing. It appears that the construction traffic is going around and over the ESC BMP's and causing washing and tracking issues. See attached photos. Please construction stabilized exits for the traffic or direct them to the existing stabilized access roads. This conditions exists on both the east and west sides of the project. Please respond letting me know that these deficiencies have been properly noted in your on-site inspection log and that these issues have been fixed. The timeline is within 7 days or before the next rain event. Also be sure to have the gutter line and roadway cleaned.

I don't have JT's email so please pass this along to him. Cindy Mire is the owner representative of record for this site so I'm copying her also.

Thank you and let me know if you have questions, concerns, etc.

Erica Williams
City of East Moline
Stormwater Manager

309-751-2310
ewilliams@eastmoline.com


915-25 AVE
EAST MOLINE
H_2O MAIN REPAIR
MARCH 2019

CITY OF EAST MOLINE

CITY OF EAST MOLINE

GRADING & DRAINAGE PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, THAT_____, as PRINCIPAL, and _____, as SURETY, are held and firmly bound unto the City of East Moline, Illinois, as OBLIGEE, in the sum of _____ _____($_____) lawful money of the United States, for the payment whereof to the Obligee, the Principal and the Surety bind themselves, their heirs, executors, administrators, successors, and assign, jointly and severally, firmly to these presents:

SIGNED, SEALED AND DATED, THIS ____ day of _____, 20____.

WHEREAS, application was made to the Obligee for approval of a project entitled "_____", located in the City of East Moline, Illinois, filed with the Director of Engineering of the City of East Moline, Illinois, on _____, 20___, said project may be approved upon certain conditions, one of which is that a performance bond in the amount of _____ ($_____), to be filed with the Director of Engineering to guarantee certain improvements in said project.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the above named Principal shall within two (2) years from the date hereof will and truly make and perform the required improvements and construction of public improvements in and adjacent to said project in accordance with the standards and specifications of the City of East Moline and the Storm Water and Erosion Control regulations of the City of East Moline, then this obligation to be void; otherwise to remain in full force and effect.

It is hereby understood and agreed that in the event that any required improvements have not been installed as provided aforesaid within the term of this Performance Bond, the City Council may thereupon declare this bond to be in default and collect the sum remaining payable thereunder and upon receipt of the proceeds thereof, the City of East Moline shall install such improvements as are covered by this bond and commensurate with the extent of development that has taken place in said project but not exceeding the amount of such proceeds.

_____Principal

By: _____Principal

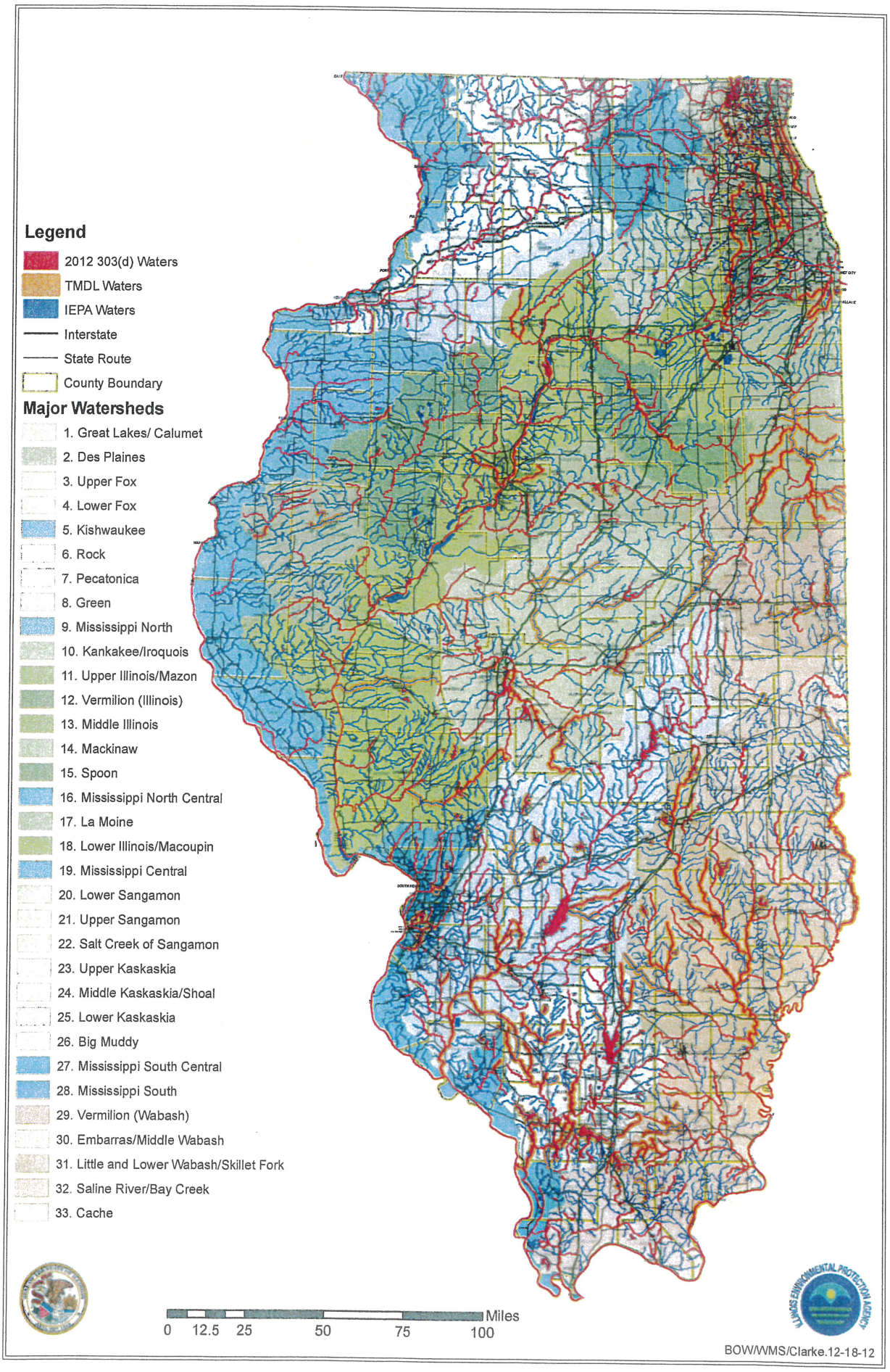
_____Surety

By: _____
Attorney in Fact

Approved as to Form:

By: _____

2012 Illinois EPA Waters



Resource Management Mapping Service

Introduction | Project History | Help | Base Layers | Vector Layers | Visib
Draw Tool | Email Map | Extract | Feedback | Find | Gotc
Public Report | Query | Turn On/Off Labels | Watershed | Upload | Zoo

ILLINOIS STATE GEOLOGICAL SURVEY

Base Layers

- Base Map - None
- NLCD 2001 Landcover
- NLCD 2006 Landcover
- NLCD 2011 Landcover
- NLCD 2011 Imperviousness Ranks
- NASS Croplands 2013
- ESRI Imagery
- ESRI Shaded Relief
- ESRI Topo

Refresh the map

Vector Layers

- Political and Administrative Layers
- Resource Layers
  - Community Water Supply
  - Ground Water
  - Soils and Geology
  - Surface Water
  - Watersheds
- Resource Protection Layers
  - Illinois Department of Agriculture
  - Illinois Department of Natural Resources
  - Illinois Department of Transportation
  - Illinois Environmental Protection Agency
    - IEPA AUID Lakes with TMDLs - Approved
      - Metadata
    - IEPA AUID Lakes with TMDLs - Ongoing
      - Metadata
    - IEPA AUID Streams with TMDLs - Approv
      - Metadata

CITY OF EAST MOLINE

NPDES UPGRADE COMPLIANCE PROJECT

Project Number: 059-2019
Project Date: August 2019

PROJECT LIST (IN NO ORDER OF PRIORITY YET)			
		Complaint	Solutions?
4031 4th Ave A	flooded yard due to lack of ditch drainage		Re-establish ditches.
320 30th Avenue	flooded yard. Low spot of the neighborhood. Snow and ice blocking flow also	Randee Brown 309-755-0198	unimproved roads, no sewer close
440 14th Street	see email. Homwoner believes there is standing water due to plugged pipe. Dave said pipe is plugged due to neighboring filling in drainage ditch.	Ray Smith 309-236-2581	may need to send letter if drainage ditch is HOLDING water for more than 24 hours in normal rain event
4329 9th Street	See file for pictures & email and explanation	Doug Stempler 792-5314	Clean ditchline at this address and one south and one north
910 39th Ave	homeowner worried about hillside eroding	Patricia Spiegel 309-314-9041 or 309-317-1981	Isn't a priority yet. NOT Patricia's property. 18" pipe and small overland flow. See aerial.
3204 2nd Street Court	city dischage is eroding the hillside - close to garage	Larry Neff 309-372-0751 (owner now)	find end of pipe, extend to bottom, fill eorsion gully
4TH ST, N AotC	maintenance of ditches along west side of 4th		minor ditch and culvert cleaning and
2113 6th Street	reattach and bed pipe in ravine	Olivia Dorothy	
1349 18TH ST	Area floods often and pipe being investigated	Bobby Cantu 309-230-9932	Apparently the intersection floods often. See notes in file
7th St S. Glenview	clean, stabilize, close the fill site	Erica Williams	Once Brandt is out, repair and close.
1124 36TH Ave	two pipes under road have issues at each end	Bill of Centennial	replace as much pipe as necessary and stabilize downstream side.
2906 2nd Street	apparently there is a pipe unde the road that carries water		find pipe under road and open up. This would prevent water from going OVER road nad wahsing out the shoulder.
2719 8TH Street	sinkhole back of inlet and in yard over line	Jeff Belon 309-236-4600	repair basin, spot fix, and/or line - Joseph checking files was supposed to have been fixed and line in 2018 but may have been pulled
604 1ST Ave	reported drainage blockage from 612 1st Ave	Rev Flowers is complainant	See file. Courtesy letter sent to 604 on behalf of 612.
327 31 Ave	ponding in yard during exceptional rain. No city issue but file started	See file	No action necessary but 31st Ave had 8 water main breaks and could be upgraded.
4134 4th Ave B	babcock/Meersman project	James Wippal 309-269-8253	water standing in ditches, sideyard and back yard. Unusual rains and high water

226 29th Ave	unimproved road, ditches silted or filled in, culverts bad	Nelie Garcia Renter 563-742-0719/ Mike Farber owner 309-737-3091	reestablish ditches along entire street and replace all culverts

STREET SWEEPER ROUTES
Revised March 2003

MONDAY

Kennedy Drive east side and west side from 18th Ave south to 42nd Ave and from 1st St to 4th St. West side of 7th St from 17th Ave south to 41st Ave from 4th St to 7th St.

TUESDAY

All streets south of 42nd Ave to Moline. Kennedy Dr to 13th St, east side of 7th St from 7th St to 19th St from 30th Ave to 41st Ave.

WEDNESDAY

All streets north of 30th Ave to 18th Ave from 7th St to 19th St.

THURSDAY

All Streets north of 18th St. from 13th St to the Quad City Downs.

FRIDAY

12TH Ave from 1st St to 13th St and the Quarter. 14th Ave, 15th Ave, 16th Ave, 17th Ave and 18th Ave from 1st St to 19th St.

City of East Moline Engineering

PRE-CONSTRUCTION MEETING AGENDA

PROJECT NAME: 4th Street Drainage Improvements

OWNER: City of East Moline
915 16th Avenue
East Moline, Il 61244

CONTRACTOR: Legacy Corp
16322 Barstow Rd
East Moline, IL 61244

ENGINEER: J&M Civil Design, LLC
2550 Middle Road
Suite 602
Bettendorf, IA 52722

MEETING DATE: November 14, 2019
MEETING TIME: 10:00 am
LOCATION: East Moline Engineering and Maintenance Facility
1200 13th Avenue

ITEMS FOR DISCUSSION

1. Introductions
2. Designation of responsible personnel representing the Owner, the Contractor, and the Engineer.

Owner: *City of East Moline*
912 16th Avenue
East Moline, Il 61244
309.752.1595

Contractor: *Legacy Corp*
Attn: Tim Wadsworth
16322 Barstow Road
East Moline, IL 61244
309.203-1094

Engineer: *City of East Moline Engineering Dept.*
Attn: Tim Kammler
1200 13th Avenue
East Moline, IL 61244
309.752.1773

Site/Construction.

Staking:

Observation: *City of East Moline Engineering Dept*
Attn: Eric McLaughlin
309.738.6048

Site Foreman: *Legacy Corp*

Attn: Tim Wadsworth

309-203-1094

Utilities:

3. Review construction schedule:

Notice to Proceed date: November 14, 2019

Contractor Mobilization/Start-up _____

Other Utility Company Work? _____

Substantial completion deadline: December 30, 2019

Final Completion deadline: May 31, 2020

Critical dates during Construction:

- *Holidays- Thanksgiving, Christmas*

Equipment deliveries and priorities

Critical Work sequencing:

- *Resident – Minimum 24 hr*
- *Fire/Police Notification – Minimum 48 hr*
- *City Maint. Services Notification – Minimum 48 hr*
- *Inspector Notification – Minimum 24 hr*
- *Staking Requests – 48 hr.*
- *Utility Coordination is responsibility of the Contractor. City may assist upon request.*

4. Procedures and processing of:

Field decisions: *Hierarchy – Eric McLaughlin to Tim K. (E.M.)*

Shop Drawings: *Submit to Eric McLaughlin (E.M.)*

Product Data: *Manhole Castings, Piping, Valves, Mix Designs, Etc... to Engineering Dept.*

Test Samples: *Type, Size and Frequency by ASTM and IDOT Standards*

Substitutions: *May consider if there is a cost savings for the City. Must request in writing.*

Payment and Applications for payment: *By measured, in-place quantity. Contractor rep and Field rep to review and agree on quantities weekly. City will prepare pay applications.*

**** Please Note: As stated in the Special Provisions, payment for rock related pay items will only be based on substantiated documentation and weight tickets kept in a daily log. The daily log must be updated and available to the City's representative at the start of each work day. ****

Work change directive: *Engineering will submit Supplemental/Revised Drawings*

Change Orders: *On EJCDC or approved other. May give verbal Notice to Proceed by: Tim K*

Staking Requests: *Call to Eric McLaughlin directly. Re-staking of contractor damaged or displaced points is the responsibility of the contractor.*

Contract close out: *After Final Payment, Punchlist and satisfactory construction*

5. Public Coordination:

- *Garbage Pick-up is FRIDAYS!*
- *USPS*

6. Traffic Control:

- *Street Closure possible. Maintain local access as applicable to work flow. Perform regular assessment of traffic control measures as required.*

7. ~~Contractor's field office~~ and Security of Materials and equipment:

8. Housekeeping: *Maintain a specific program to prevent accumulation of debris at construction site.*

9. Permits: *NPDES Regulated site – NPDES Permit NO. ILR10BC14*

10. Working hours. *7:00 a.m. to 3:30 p.m. Monday thru Friday*

11. Procedures for maintaining record documents. *Certified payrolls AND NPDES Inspections due*

weekly.

12. Distribution of Contract Documents:
    Requirements and schedule for Contractor's submission of list of Subcontractors, list of Products, schedule of values, project schedule, bonds and insurance certificates.

13. Other items of discussion.
    - _____

14. *Erosion Control*- The project is NPDES regulated with an approved ESC and SWPPP that must be adhered to in order to prevent sediment from leaving site. *Given the tight conditions and the flat nature of the project limits, ESC may be altered in the field as necessary if approved by the city.* Also, weekly ESC inspections will also be provided weekly.

15. Council Meetings are on 1st and 3rd Monday of each month. Pay Estimate will need to be submitted to City Engineer the Wednesday before the meeting to get it processed. Eric M. and Legacy Superintendent will agree on quantities prior to each Pay Estimate, and a copy will be sent to Legacy for their approval.

16. Proper erosion and sediment control MUST be applied if weather predictions or conditions are reasonable enough to shut down the project for winter. Exposed areas must be covered with an erosion control blanket and sediment control must be installed at downstream areas as deemed appropriate by the city.

4th Street Drainage Improvements 038-2019

PRE-CONSTRUCTION MEETING ATTENDANCE

NAME	COMPANY	E-MAIL	PHONE
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

16. _____

17. _____

18. _____

CITY OF EAST MOLINE
Engineering Department

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

1. Permit Requirements

Application is hereby made for a **FLOODPLAIN DEVELOPMENT PERMIT** as required under Ordinance #10-05 of the City of East Moline for development as defined in said ordinance. The applicant understands and agrees that:

- The permit applied for, if granted, is issued on the representations made herein;
- Any permit issued may be revoked because of any breach of representation;
- Once a permit is revoked all work shall cease until the permit is reissued or a new permit is issued;
- Any permit issued on this application will not grant any right or privilege to erect any structure or use any premises described for any purposes or in manner prohibited by the ordinances, codes, or regulations of the city;
- The building or development site shall not be used or occupied unless an OCCUPANCY PERMIT has been issued by the Building Official;
- The applicant hereby gives consent to the Building Official (or designee) to make reasonable inspections to enforce the provisions of Ordinance #10-05 without first obtaining a search warrant;
- If issued, the permit form will be posted in a conspicuous place on the premises, in plain view from a public road; and
- If issued, the permit will expire if no work is commenced within six months of issuance.

2. Ownership Information

Owner(s) Name(s) _____ Phone _____

Address _____ City _____

Applicant (s) Name (s) _____ Phone _____

Address _____ City _____

Mail Permit To: _____

3. Location of Proposed Development

Address _____

_____

Legal Description _____

_____

4. Summary of Development project

Write a brief statement of the type of work to be undertaken, including any filling and any alteration of a watercourse or drainage way.

_____

_____

_____

_____

5.Attachments

Exhibit #1 Drawings or plat of site, drawn to scale showing property line dimensions

Exhibit # Permit from the IL Department of Transportation, Division of Water Resources (if applicable)

Exhibit # Licensed Professional Engineer or Land Surveyor's statement of site elevation (if applicable)

Exhibit # _____

Exhibit # _____

6. Applicant's Certificate

I hereby certify that all the statements in and attachments to this application are a true description of the existing property and the proposed development project. I have read the development requirements of the appropriate ordinances and agree to abide thereto.

_____ (Signature)

_____ (Date)

Submit completed application to:

Director of Engineering
City of East Moline
1200 – 13th Avenue
East Moline, IL 61244

DO NOT WRITE BELOW THIS PAGE - FOR CITY ENGINEER

Base Flood Elevation _____ Flood Protection Elevation _____

REASON PERMIT DENIED:

_____

_____

_____

Date of denial letter _____ By _____

PERMIT ISSUED: Permit Number _____ Date _____ By: _____

1ST INSPECTION: Date Requested _____ Date Made _____ By: _____

2ND INSPECTION: Date Requested _____ Date Made _____ By: _____

As-built elevation: _____ Datum _____

Location on building _____

(Attach inspector's field notes and/or elevation certificate.)

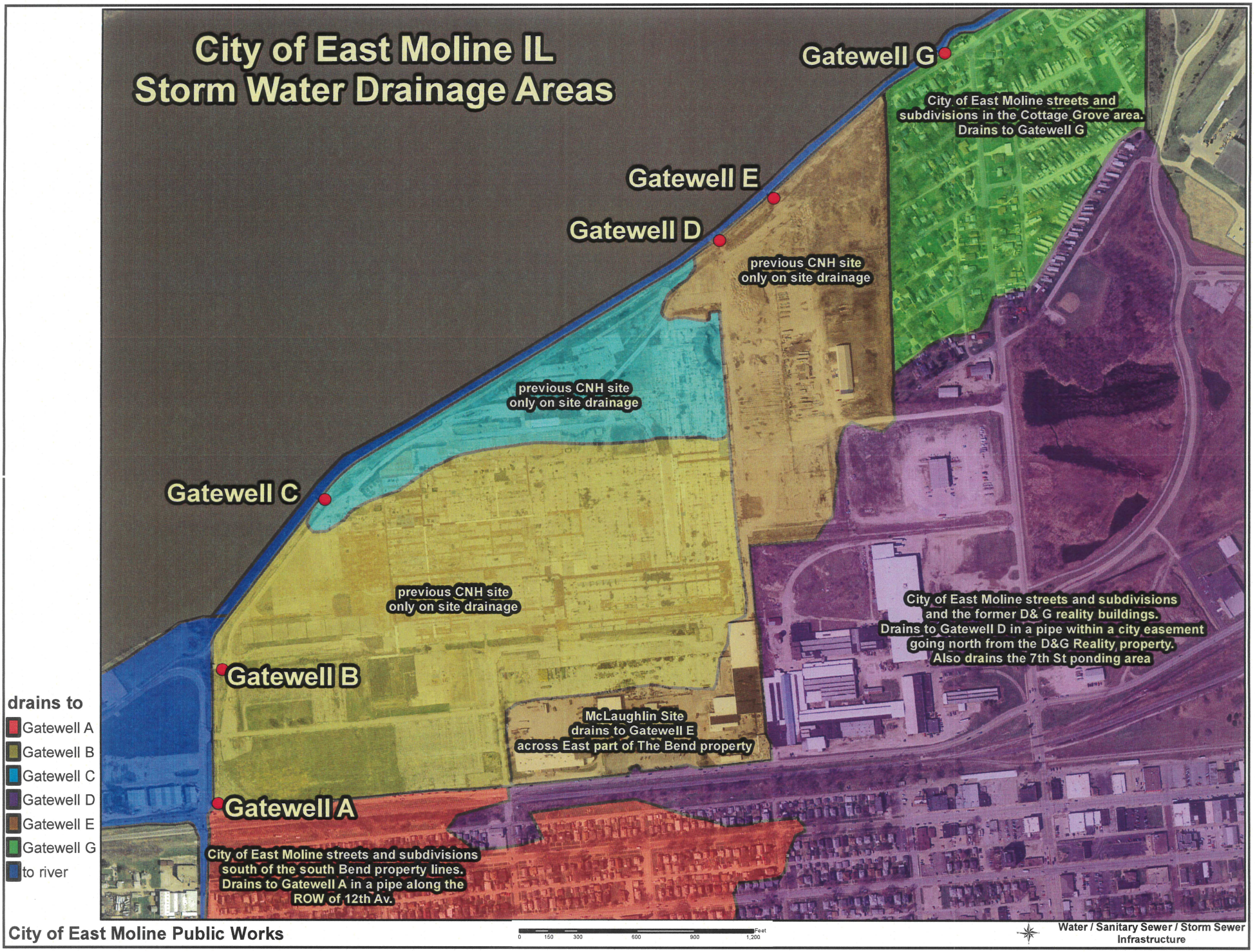
3ND INSPECTION: Date Requested _____ Date Made _____ By: _____

OCCUPANCY PERMIT ISSUED

Permit Number: _____ Date _____ By: _____

Date 8/31/19	Date 8/31/19
Outfall No. GW B+A	Outfall No. C
Weather SUNNY 73°	Weather SUNNY 73°
Picture(s) taken Y/N	Picture(s) taken Y/N
Notes - NO SHEEN(S)	Notes - LOOKED IN
- SOME SOLID LITTER	WW / OUTFALL UNDER
DEBRIS IN WELL.	WATER.
- OUTFALL GREAT	- WW NO REC'S, SOME
- OUTFALL @ HEADWALL	SOLID LITTER DEBRIS
IN MOLINE	

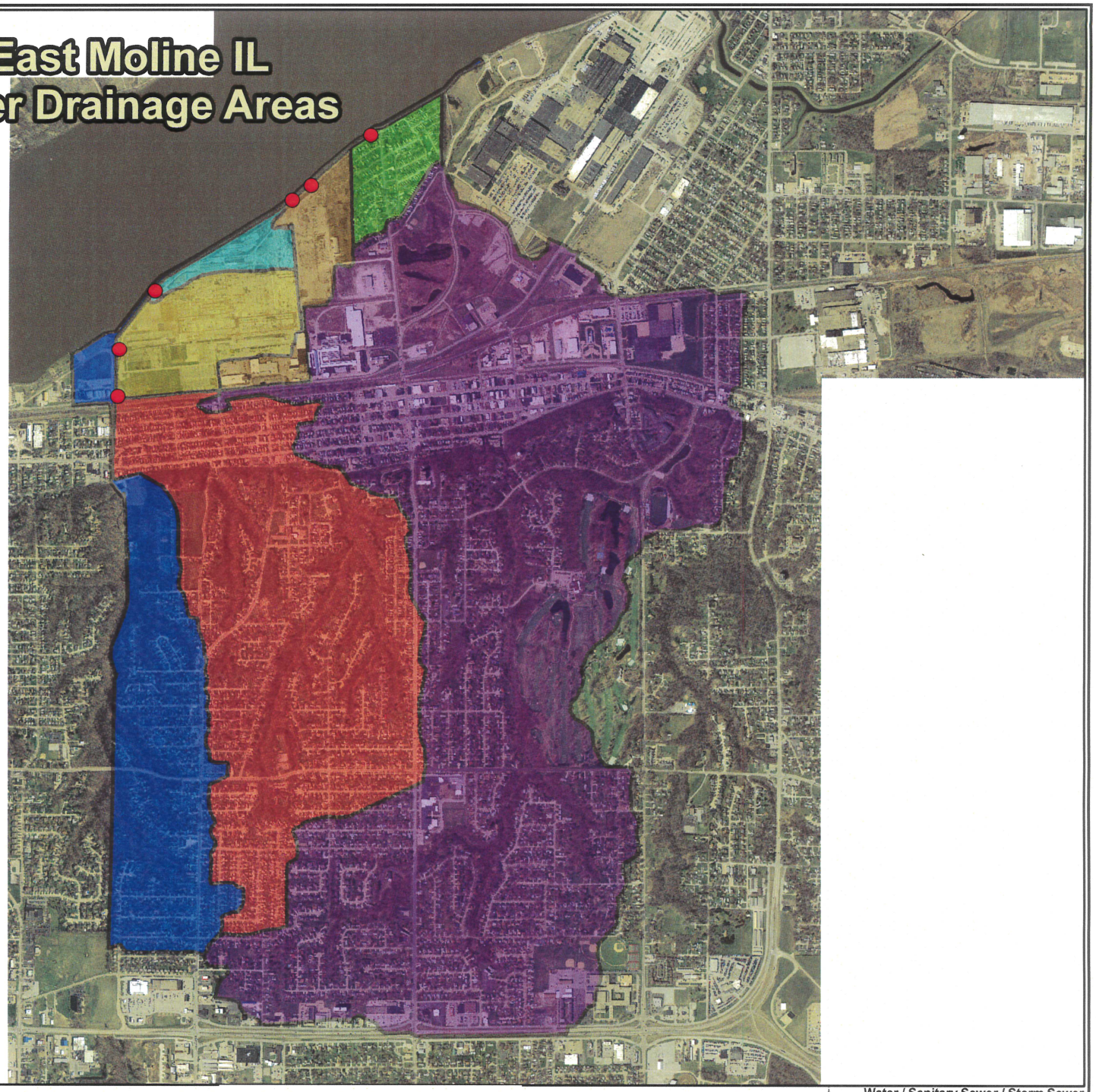
Date 8/31/19	Date 8/31/19
Outfall No. D+E	Outfall No. F+G
Weather SUNNY 73°	Weather SUNNY 73°
Picture(s) taken Y/N	Picture(s) taken Y/N
Notes - OUTFALL GREAT,	Notes - OUTFALLS ADJACENT
NO REC'S	- OUTFALLS NO REC'S
- WW SOME SOLID LITTER	- WET WELL @ G NO
NO REC'S	REC'S, SOME SOLIDS
	LITTER.



City of East Moline Public Works

Water / Sanitary Sewer / Storm Sewer Infrastructure

City of East Moline IL
Storm Water Drainage Areas



drains to

- Gatewell A
- Gatewell B
- Gatewell C
- Gatewell D
- Gatewell E
- Gatewell G
- to river

City of East Moline Public Works

0 500 1,000 2,000 3,000 4,000 Feet

Water / Sanitary Sewer / Storm Sewer Infrastructure

Gatewell Information

Gatewell	Location	Gate Size	Closing Elevation	Closing Stage	Note
A	Storm Sewers near 1st St. and 12th Ave.	66" Dia. 42" Dia.	573.5'	19.0'	2, 3
B	Outlet for CNH Pump Station No. 26	66" Dia.	566.0'	11.0'	
C	Outlet for CNH Pump Station No. 31	60" Dia.	566.5'	11.0'	
D	Storm Sewer from 7th St. Ponding Area	60" Dia.	563.5'	9.0'	3, 4, 5, 6
E	Outlet for CNH Pump Station No. 29	72" Dia.	565.5'	10.5'	
G	Storm Sewers for Cottage Grove Drainage	42" Dia.	567.0'	12.0'	4
F	East Moline Raw Water Intake Line	42" Dia.			7
H	Storm Sewer at John Deere Ponding Area	72" Dia.	570.0'	15.0'	4, 5
P	Storm Sewer at John Deere	76 x 60"	570.0'	15.0'	4
Q	Storm Sewer near John Deere Storage Yard	24" Dia.	571.0'	16.0'	4
L	Sugar Creek Pump Station Gravity Outlet	Four 10' x 8'	564.0'	8.5' - 9.0'	3, 4, 8
J	Sewer Treatment Plant Effluent Discharge Line	48" Dia.			9
K	Storm Sewer at Northwest Corner of Sewage Treatment Plant	30" Dia.	567.5'	12.0'	4
O	Sanitary Sewer on Northwest Side of Railroad Tracks near Treatment Plant	18" Dia.			10

FLOOD EMERGENCY OPERATION

Proper operation of flood control structures is required to prevent or reduce flooding during periods of high water. T text, the map and the linking documents to the gatewells serves to address project specific flood emergency opera and maintenance instructions. The intent of these instructions is to provide information that allows orderly a efficient use of the project features to meet the design go and objectives.

Click on the **Orange Gatewe**

for all information about operation and flooding procedure

ewell A is on a pressure storm sewer. Closure of the gate during a flood is required only if the line aks inside the protected area.

ewell D requires a portable pump with a minimum size of 3,000 gpm with 16' head

ewell G requires a portable pump with a minimum size of 2,000 gpm with 12' head

ewell H, P, Q requires a portable pump with a minimum size of 10,000 gpm with 16' head

ewell D can be closed when the water level at the 7th st gage is at 567.5 if an 18,000 gpm portable np is provided

ewell F is on the East Moline Water Works intake line. The gate can be used to throttle flow to the ter plant. Complete closure of this gate will only be required if the line breaks inside the protected a during a flood.

ewell L is on the Sugar Creek Pump Station Gravity Outlet. The pump station should be activated en this gate is closed.

ewell J is on the effluent discharge line for the East Moline Regional Sewage Treatment Plant. The nt was designed to operate during the design flood. Closure of this gate is required only if a line breaks hin the protected area during a flood.

ewell O is on a waterproof sanitary sewer that crosses the line of protection. Closure of the gate is uired only if the sewer breaks in an area that is under flood waters.

Stormwater

Whatissto rmwater?

Stormwater is the runoff that results from precipitation. As this water flows over construction sites, farm fields, lawns, driveways, parking lots, and streets, it picks up sediment, nutrients, bacteria, metals, pesticides, and other pollutants. Unlike sanitary sewers that go to a treatment plant, most stormwater discharges directly to local water bodies. Increasing amounts of impervious surfaces in the City, such as roof tops, driveways, parking lots, and streets, decrease the ability of the water to soak into the ground, thus increasing the potential for flooding from greater volumes of runoff entering the city's storm sewer and drainage system at a faster rate.

Whydo esstor mwaterhaveto bema naged?

Stormwater is managed to protect homes, property, the environment, streams, and rivers from damage due to flooding, pooling, erosion and harmful pollutants. Stormwater runoff must be channeled through a system of pipes, culverts, ditches, swales, catch basins, and storm drains before it can be safely discharged into local streams and rivers. Even if a property has never flooded, the stormwater that flows off that property must be managed so that it doesn't contribute to flooding in other areas.

Need

The Clean Water Act (CWA) was enacted by Congress and signed by the President to establish environmental programs, including the NPDES program, to protect the Nation's waters and direct EPA to issue rules on to how implement this law. Many municipalities across the nation are now required to obtain a NPDES Permit and abide by rules, regulations, and standards to monitor runoff that enters the Storm Sewers. As part of the NPDES permit, programs must be established for public education and outreach, public involvement and participation, public education and outreach, illicit discharge detection elimination, construction site runoff control, post-construction runoff control, and pollution prevention and good housekeeping. The programs listed above are federally mandated, however, federal funding is not available for their implementation. It is up to each individual municipality to secure funding.

Plans

Stormwater Management Plan (PDF)

NPDES Outfall Inspection Plan (PDF)

Kids

K-3 Activity book (PDF)

Reports

Notice of Intent (PDF)

AnnualRe ports:

- 2003-2004 Annual Report (PDF)
- 2004-2005 Annual Report (PDF)
- 2005-2006 Annual Report (PDF)
- 2006-2007 Annual Report (PDF)
- 2007-2008 Annual Report (PDF)
- 2008-2009 Annual Report (PDF)
- 2009-2010 Annual Report (PDF)
- 2010-2011 Annual Report (PDF)
- 2011-2012 Annual Report (PDF)
- 2012-2013 Annual Report (PDF)
- 2013-2014 Annual Report (PDF)
- 2014-2015 Annual Report Part 1 of 2 (PDF)
- 2014-2015 Annual Report Part 2 of 2 (PDF)
- 2015-2016 Annual Report (PDF)
- 2016-2017 Annual Report (PDF)
- 2017-2018 Annual Report (PDF)
- 2018-2019 Annual Report (PDF)

ContactUs

EricaWilliams
StormwaterManager
Email Erica Williams
Ph:309-751-2310
Fx: 309-752-0634

Engineering& Maintenance
ServicesFacility
1200 13th Ave.
EastMoline,IL 61244
Directions

Hoursare7a.m.to4:00p.m.
MondaythroughFriday

StaffDirectory

QuickLinks

- StormwaterControlOrdinance(PDF)
- StormwaterControlOrdinance Summary(PDF)
- StormwaterUtilityTri-Fold Brochure (PDF)

View All

FAQs

- Whatisstormwater?
- Wheredoesthestormwatergo?
- Whatisstormwaterpollution?

View All