NPDES Permit #57-35-0-00

2017 Annual Report

City of Hiawatha
101 Emmons St
Hiawatha, Iowa 52233

Hiawatha!™

October 2017

Joe Griffin
NPDES Section
Environmental Protection Division
Wallace State Building
502 E 9th Street
Des Moines, Iowa

RE: NPDES MS4 Permit No. 57-35-0-00

Dear Joe:

The City of Hiawatha is pleased to submit the 2017 Annual Report for the above NPDES permit issued February of 2016. This annual report summarizes the activities during the 12 month period of July 2016 to June 2017. The annual report is coordinated and prepared by the City Engineering Department and the Hiawatha Community Development Department in conformance with the reporting requirements in the City's discharge permit. The current permit was approved and made effective February 1, 2016 and will expire on January 31, 2021.

Hiawatha is located in Linn County with a current population of just over 7000 within an area of approximately 5 square miles. Storm water from the City of Hiawatha discharges directly to Dry Creek, Otter Creek, Ushers Ferry Creek, and other major creeks that drain to the Cedar River. The six control measures as defined in our NPDES permit are:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Management
- Post-Construction Stormwater Management
- Pollution Prevention and Good Housekeeping

The objective of the City of Hiawatha's various storm water ordinances is to protect the taxpayer's health, safety and welfare through economically viable storm water quality and quantity programs. We attempt to diminish threats to the public caused by runoff of excessive storm water, reduce possibilities of hydraulic overloading of the storm sewer system, and reduce any economic losses. These ordinances provide regulations for subdivision layout and construction, regulations for excavating and grading, and regulations for building construction. Before starting construction, applicants must submit preliminary plans and specifications to show compliance with the provisions set forth in these ordinances.

The City of Hiawatha uses a server-based application and documentation reporting software, Citizen Serve. Citizen Serve is a fully customized on-line program for permitting and inspection data collection and filing for SWPPP, detention basin, and GP#2 tracking.

The City ordinance Chapter 101 was enacted to establish a stormwater drainage district system and provides a means of funding the operation and maintenance of the stormwater facilities. The ordinance imposes a monthly fee on all water meters in every residence, apartment, dwelling unit, commercial or industrial business. The fees are adjusted yearly, but do not provide enough revenue to fund a full-time stormwater coordinator and all the operations required of staff. Stormwater monitoring duties are shared by existing staff.

Although it is difficult to list all the City's activities during this 2017 year, this report attempts to identity some of our major activities. We have organized the report according to the outline developed in Part II of the permit:

A. Public Education and Outreach

- The City participated in several seminars held to provide training for City personnel and other local contractors. Training attended:
    - DNR MS4 Update- Coralville June 2016
    - Developed GP#2 transfer Agreement-June 2016
    - Stormwater Summit-Marion December 2016
    - Iowa Certified SWPPP Design-Marion December 2016
    - Join CR/Marion/Robins concrete washout letter-February 2017
    - Plan Review &Approval Workshop-Marion April 2017
    - DNR Region 1&6 EPA Audits of MS4-Windsor Heights-April 2017
    - Stormwater Design Training-Cedar Rapids June 2017
- Staff for the City of Hiawatha maintain the following certifications pertaining to stormwater management and pollution prevention:
    - IDOT Erosion Control Basic: 1 Staff
    - IDOT Certified Erosion Control Technician: 1 Staff
    - Iowa Certified Construction Site Pollution Prevention Inspector: 2 Staff
    - Work Zone Safety: 9 Staff
- We placed articles in the City's newsletter to provide information on improving urban water quality.
- The City has developed and upgraded general informational brochures regarding control of storm water. Copies of handouts are available to contractors or citizens at our Community Development Department. Samples are:

- Rainscaping Iowa
- Provided Sediment Control publication
- Provided ISWEP Signing Purchase Opportunity
- Lawn Care Maintenance
- Concrete Washout
- Single family lot erosion and sediment control

- The City of Hiawatha provides education and contact information for reporting problems and or concerns through the City's web site. The web site of Hiawatha has been redevelopment and has a new look and layout. Copies of the storm water information and ways to report nuisances are included in the City of Hiawatha's Community Development page. The telephone hotline number is 319-393-1515.

B. Public Involvement and Participation

- A Storm Water Advisory Committee has been organized and is meeting on a quarterly basis. The committee currently has 3 members and is made up of a local technician, a retired contractor, and a mechanical engineer. The committee has been reviewing many of the City's ordinances and department procedures that include the storm water regulations. Updated ordinances will be adopted by the City Council.

- The City is a partner in the Indian Creek Watershed Management Authority. The Watershed Management Authority uses a cooperative, multi-jurisdictional approach to plan for:

  - Water Shed Characterization and Quality
  - Hydrology and Stream Health
  - Watershed Action Plan
  - Funding Sources
  - Education and Outreach
  - Water Monitoring Plan

- A copy of the Indian Creek Watershed Recommended Management Strategies is included. The entire Indian Creek Watershed Plan can be reviewed at: http://indiancreekwatershed.weebly.com/

- The storm drain labeling has been done in previous years. The City's storm sewer intake labeling program continues each year with messages added to all new intakes that read "No Dumping, Drains to Stream". The labels are an excellent warning to help prevent hazardous material for entering the creeks.

C. Illicit Discharge and Elimination

- Review and update of the illicit discharge ordinance has been conducted by the Storm Water Advisory Committee and adopted by the City Council.

- The City of Hiawatha has a complete storm sewer map in our GIS system. Pipes, intakes, outlets, and draintiles have been mapped. Storm sewers constructed in new subdivision are added to the map as they are accepted into the system

- In August 2016, 3 storm water release locations were inspected for illicit discharges. The locations chosen were the drainage way on Northwood Dr, the drainage way along 4th Ave and a manhole at 12th Ave and Bowler St. All three locations did not have any running water. The Northwood Dr location drains into Dry Creek basin. The other 2 locations drain into McLeod Run basin.

- The Engineering Department, Community Development, or Fire Department were not notified of any reported illicit discharges in 2017.

D. Construction Site Storm Water Runoff Control

- Construction site runoff control is monitored throughout the project by the building inspectors on staff as part of their normal duties. Projects of proper size are required to have a Storm Water General Permit #2 and follow the requirements of that permit. On smaller projects within the City, the site plans or house plans are reviewed and best management practices (BMP) are required for erosion control before the permit is issued.

- There is a $200 fee for the major erosion control permit, which is defined as site more than 1 acre. There is a $100 fee for a minor erosion control permit.

- Engineering Department inspects capital improvement projects and subdivision sites more than one acre. Commercial sites and single family dwellings are inspected by the Building Department. The Engineering Department conducts the quarterly SWPPP inspections on active construction sites in the City that hold a General Permit #2 from IDNR

- The sites are monitored during construction and recorded:

    - The City staff logged over 80 inspection reports from daily site reviews identifying the results of checking storm water runoff controls. Sample report records are attached.
    - The staff approved 39 site plans for commercial developments that provided erosion control plans with required SWPPP associated with construction activity.
    - Planning and Zoning Commission approved 2 new residential subdivisions that required erosion control plans, SWPPP submittal, and General Permit No. 2.
    - Active construction sites are visited often weekly as part of other normal duties by staff. Pollution prevention facilities are reviewed to monitor if they are operating properly. If not, permit holders are notified to take corrective action.

E. <u>Post-construction Storm water Management</u>

- The storm water committee has updated the post-construction ordinance and it has been adopted by the City Council.

- The City monitors construction projects for restoration and erosion control applications.

- GP2 quarterly reports are now scanned into the building department data base for easy access.

- The City is in the process of identifying the location of private detention facilities and developing a data base of owners. The City contacted all owners to continue with the recertification process of existing detention facilities. A City map has been developed in the GIS system to locate all privately owned detention facilities. The goal is to calculate the per cent of the runoff in the City that is routed to detention facilities. A sample map has been included.

- The City has been active in the local Home Builders Association (HBA). Many building site issues are being addressed by this organization. One such issue is the proposed topsoil rule for any new housing developments.

- The Stormwater Advisory Committee has reviewed proposed topsoil regulations. The City is in the process of updating the Metro Standard Specifications to the Iowa SUDAS Specifications. The goal is to have new specifications with topsoil regulations enacted by July of 2018.

F. Pollution prevention/Good housekeeping

- The City's storm sewer system is monitored and maintained by the Public Services Department. Costs associated with storm water repairs, by either staff or contractors are tracked. These costs can include education, design, maintenance and operating supplies. (Cost summary attached)

- During the previous year, new storm sewer and draintile have been installed, or upgraded by either City projects or by new subdivisions. The approximate new materials have been added:

    - 3000 lf of storm sewer in various sizes
    - 21 storm sewer intakes
    - 6000 lf of 6" diameter draintile

- City of Hiawatha staff that handle and applied and pesticides or fertilizer are provided the proper training in methods of storage, application, and disposal of these materials

- Each spring the Ushers Ferry Creek & the Dry Creek drainage areas are assessed and a program for removal of debris is developed to prevent blockage and backups. The City hires a private contracting firm to clean and remove down trees and other obstructions. This will improve flow and reduce the possibility of localized flooding.

G. Contacts for the City of Hiawatha

- Patrick Parsley / Community Development Director
    - (319)393-1515 ext. 229
    - pparsley@hiawatha-iowa.com

- John Bender PE/ City Engineer
    - (319)393-1515 ext. 551
    - jbender@hiawatha-iowa.com

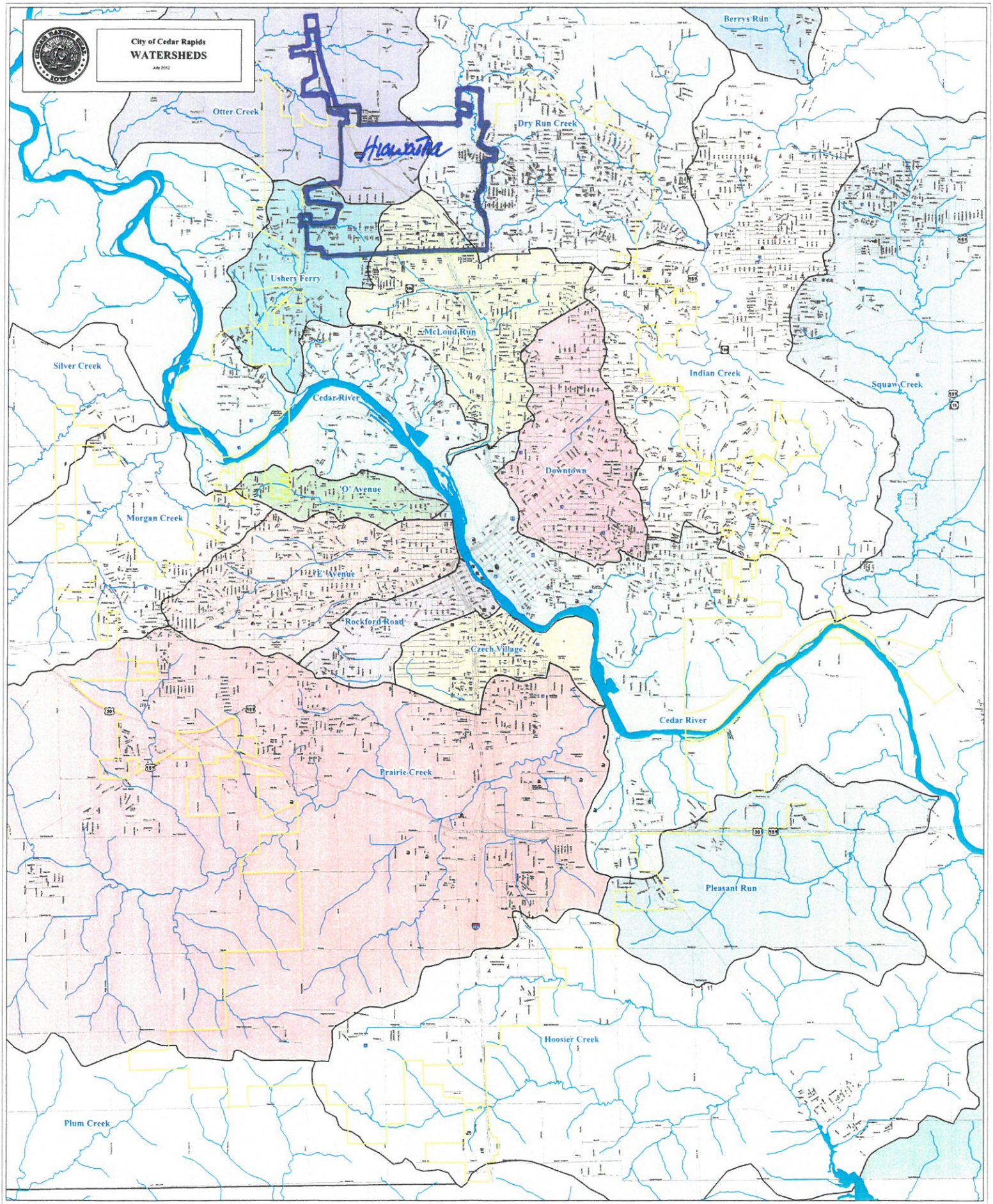
Thank you for this opportunity, and if you have any questions please feel free to contact us at 319-393-1515, ext 511.

Sincerely,

John Bender PE
City Engineer
City of Hiawatha
101 Emmons St.
Hiawatha, Iowa 52233

2017 ANNUAL DNR STORMWATER REPORT

APPENDIX


City of Cedar Rapids
WATERSHEDS
July 2012
Hiawatha
Berrys Run
Otter Creek
Dry Run Creek
Ushers Ferry
McLoud Run
Silver Creek
Cedar River
Indian Creek
Squaw Creek
Downtown
'O' Avenue
Morgan Creek
'E' Avenue
Rockford Road
Czech Village
Cedar River
Prairie Creek
Pleasant Run
Hoosier Creek
Plum Creek

City of Marion Iowa | Cedar Rapids City of Five Seasons | Hiawatha! | Robins

February 22, 2017

The Environmental Protection Agency (EPA) has given notice to communities in Iowa that they will be conducting "sweeps" or unannounced audits of cities, construction sites, and industrial activities with active IDNR General Permits. The purpose of these sweeps is to identify stormwater pollution violations. They will be conducted without prior notice to local governments or project owners. The EPA typically focuses their attention on construction sites or commercial activity where potential pollutants are being allowed (i.e. no best management practices in place) to enter storm sewers, ditches, drainage ways, creeks, and rivers.

One specific practice they will target is pouring and handling of concrete and concrete wash water on construction sites. A recent EPA sweep in Central Iowa resulted in an $8,000 fine. The EPA report noted "Piles of concrete were left onsite that were not part of the pavement project. This should have been in a concrete washout area or cleaned up after the project was completed for that day." As you are aware, washout water for concrete and cement is corrosive and caustic. The pH of concrete is very high and is extremely harmful to vegetation, groundwater, and aquatic life.

Additionally, the IDNR and EPA have contacted Marion and Cedar Rapids recently regarding complaints made to from local residents who chose to bypass city government and report potential violations directly to state and federal authorities.

The purpose of this letter is to prevent violations and potential fines, and to provide a reminder of the importance of proper washout procedures and the potential of fines associated with permit violations. At any given time, an inspector from the City, IDNR, EPA, or even an informed resident can document improper practices that can result in penalties to your company.

Please make sure that your staff fully understands and practices best cleaning methods when handling and washing concrete equipment, no matter how small the job is:

- Wash out concrete materials and tools in properly constructed and maintained concrete washouts.
- If a washout is not available or overflowing, make sure to have your own washout available.
- Do not wash off the any part of vehicles, tools, boots, or materials in a street or anywhere the water can enter a storm sewer, ditch, or body of water.

Photo examples of potential violations are provided on the following pages.

Stormwater pollution violations in the City of Marion can result in a municipal infraction against your company, with penalties of $750 per day for the first offense and $1,000 per day for subsequent offenses. Iowa Code authorizes IDNR to issue penalties of up to $5,000 per day of violation for the National Pollutant Discharge Elimination System (NPDES) permit violations. The EPA may also issue a penalty of up to $27,500 per day for each violation.

If you have any questions, please feel free to contact local city Staff.

Steve Cooper, GISP
City of Marion Stormwater Coordinator, Engineering Department
1225 6th Avenue, Suite 200
Marion, Iowa 52302
319-743-4736

Cara Matteson
City of Cedar Rapids Stormwater Coordinator, Public Works Department
500 15th Ave SW
Cedar Rapids, IA 52404
319-286-5604

John Bender, P.E.
City of Hiawatha Engineer
101 Emmons Street
Hiawatha, Iowa 52233
319-393-1515

Vince Bading
City of Robins Building Official / Public Works Superintendent
265 S. Second St.
Robins, Iowa 52328
319-393-0588

Examples of concrete washout violations:

This operator was washing out the chute and the outside of the truck into a stormwater bio-retention area filled with native vegetation.

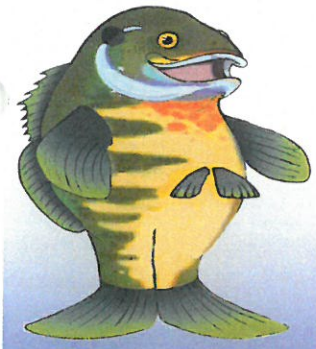
This roll-off concrete washout has not been maintained and is overflowing.

This builder has not provided adequate stormwater pollution prevention controls and has allowed contaminated water to flow off the site and into the storm sewer.

These operators allowed water contaminated with concrete to flow directly into a storm sewer.

AEC Construction
Affordable Construction
American Concrete Pumping
Atwater Concrete
B & B Concrete Construction
Banes Construction Inc
Banes Grading & construction
Bernet Construction Company
Bill Lane Construction Inc
Budda's 3M
City Wide Construction Corporation
Classic Concrete Raising Inc
Concrete Design Concepts
Concrete Gone Wild
Concrete Professionals
Connolly Concrete & Excavating
Croell, Inc.
Curtis Contracting
Cutter Construction
Dave Weber Concrete Inc
DC Concrete
Delaney Concrete Construction
Dixon Concrete
E & F Paving Company
Earthworks Concrete and Landscaping
East Iowa Construction
Eastern Iowa L.L.C. Excavating & Concrete
Eggleston Concrete Contractors, inc
Enos Bros Concrete Construction
Hawkeye Ready-Mix, Inc.
Heim Bobcat & Concrete, Inc.
Hook Construction, Inc.
Horsfield Construction Company
Iowa Concrete Leveling
Iowa Precision Concrete
Iowa State Concrete (ISC)
Iowa Walls Concrete Construction Inc.
J Allen Concrete
Kelly Concrete Company
King's Material Ready Mix Division
L. L. Pelling Co.
Mc Allister Concrete Co
MD Concrete Co Inc
Metro Ready Mix LLC

MidAmerica Basement Systems
Midwest Concrete
MR Construction
Pate Asphalt Systems
PolishMaxx
Polyraise
PolyRaise Of Eastern Iowa
Pospisil Painting Inc
Poured Walls of Iowa, Inc
Progressive Concrete Inc
ProProperty Improvements
Quality One Construction
R L Snitker Construction
REX Concrete Inc
Rex's Custom Concrete
Rogers Concrete Construction
Rude, Herry Concrete
S & M Concrete
Springville Ready Mix
Tschiggfrie Excavating
Vector Construction Inc
Western Waterproofing
Winters Concrete Construction



GILL"S Guide to Healthy Surface Water

EMPTY YOUR POOL AND SPA WITH CARE, Part One

This is it - the end of the summer and time to empty the pool until next year. Chlorine and other chemicals used to keep your pool or spa clean causes BIG problems for us fish and other acquatic life. ALL it takes is a FEW steps to not comprimise or pollute the "air" (i.e. water) we breath:

- Allow pool / spa to sit at least seven days without adding chlorine or other chemicals - chlorine content should be 0.1 milligrams per liter.
- Ensure the pH of the pool / spa water is between 6.5 and 8.5.
- Drain water through at least 15 feet of a grassy landscape first (i.e. not directly onto concrete) to allow remaining chemicals to disappate before reaching the storm drain.
- Keep the flow of water low (shoot for 700 gallons per hour = 12 gallons per minute or so) - to prevent erosion and having to fix the landscaped area later.

THANKS FOR YOUR HELP IN KEEPING MY "HOME" HEALTHY!

GILL, THE FAMOUS ISWEP SPOKESFISH

GILL"S Guide to Healthy Surface Water

EMPTY YOUR POOL AND SPA WITH CARE, Part Two

A SPECIAL NOTE FOR SALTWATER POOLS AND SPAS AND BACKWASH FILTER SYSTEMS...

Hey, here in Iowa we are freshwater fish - saltwater is deadly to acquatic life. You must discontinue the addition of salt as you ready to empty the pool or spa. Like the chlorine pool, test to ensure chlorine is below 0.1 mg/l and the pH is between 6.5 and 8.5 before draining commences onto a grassy landscape that is salt-tolerant AND able to absorb all water.

Water from backwash filter systems is not allowed in the storm sewer system, under any circumstances. This water should be directed to the sanitary system through a drain in your home or discharged to the lawn.

Word has it, failure to follow these guidelines is considered an illicit discharge, under most City codes and could result in a fine.

Learn More ♦ Do More

IowaStormwater.Org

Life Saving Award

On Monday, July 18, Alex Studt was mowing grass when he was stung by a bee. Having had previous reactions to bee stings, Alex took Benadryl, told his 16 year old son Dalton to get in the car and began driving toward the St. Luke's Urgent Care on Boyson Road. As they approached Center Point Road and East Clark Street still driving, Alex became upresponsive. Unconscious and still behind the wheel, Alex was still pushing on the accelerator but not steering.

Dalton, sitting in the passenger seat, began blowing the horn and steering the car. Dalton was able to turn the car from Clark Street north on Center Point Road. Witnesses reported the car veered into oncoming traffic. Dalton then went through the red light at Emmons Street, still blowing the horn and steering from the passenger seat, his dad unconscious in the driver's seat. As they approached the area of GoDaddy, Dalton, using one hand to steer, was able to use the other hand to push on the brake and bring the car to a stop against the curb. He found his dad's phone on the floor and called 9-1-1.

Certainly, without Dalton's fast thinking and controlling the vehicle, lives could have been lost. The vehicle could have easily struck another moving vehicle, a pedestrian, or even a stationary object, causing further injury or even death. Dalton's actions that day clearly saved the life of his dad and prevented the loss of additional life.

For this reason, the Hiawatha Fire Department and Hiawatha Police Department recognized Dalton for his actions at the September 7 Council Meeting by presenting him a life saving award.

Hiawatha Fire Department Awarded Assistance for Firefighters Grant

The Fire Department has received notification from the Federal Emergency Management Agency that we have been awarded an Assistance for Firefighters Grant. The purpose of the grant is to enhance firefighter safety and to improve operations by providing personal protective equipment. Specifically, we are going to replace our aging self-contained breathing apparatus ("Air Packs"). We wear the air packs when we go into dangerous atmosphere. The existing packs are 20 years old and most do not comply with current standards. This is important considering that failure of a SCBA can be fatal for the firefighter wearing them. In addition, we are replacing our breathing air compressor. The approved amount of the grant project is $275,320, Federal share is $262,210 and the city's share is $13,110 or 5 percent of the Federal Share. The fire department will be using LOSST funds for the city share. Previously, these items were scheduled for replacement in several years, with the money coming from the Capital Improvement Fund. The most important factor is that the grant will provide equipment to keep the firefighters safe. Additionally, the grant will free up Capital funding for other projects. It is expected that the new equipment will arrive in early spring.

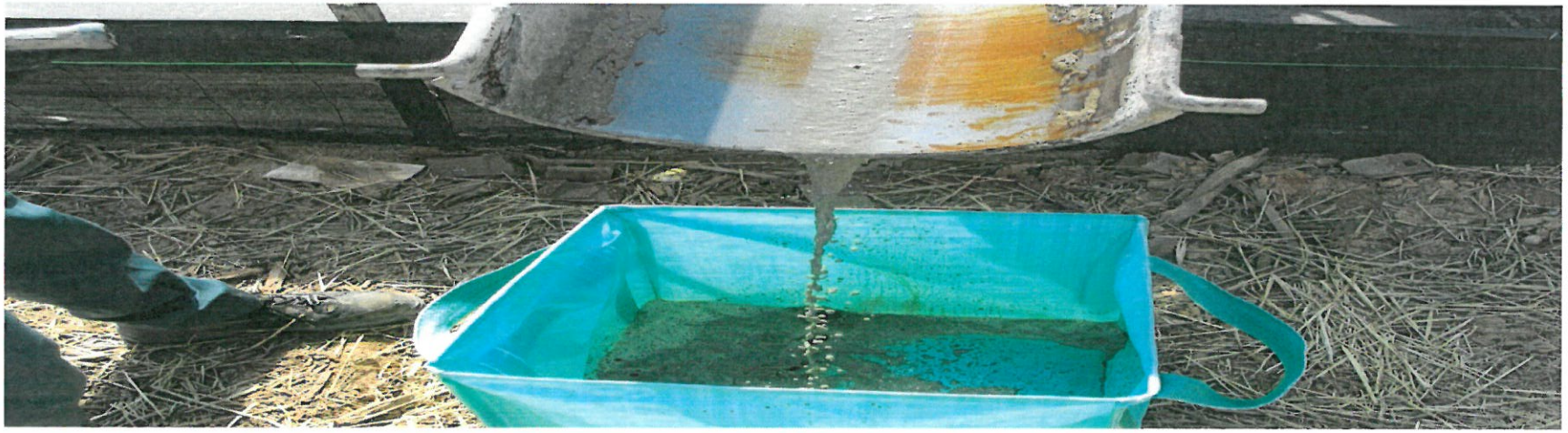
Yard Cleanup Dates

- October 24 - Yard Waste and Brush Pick Up
- November 7 - Leaves Only Pick Up
- November 21 - Leaves Only Pick Up

No branches larger then 12" in diameter and no pick up of tree demolition. Contact a tree removal service for disposal. Items must be to the curb by 7:00 AM.

EnviroSac Ready Mix Bags simplify the concrete washout system and adhere to environmental regulations. These bags are strength-tested and designed to handle large amounts of concrete and wash down water.

- ***Concrete washout is required to be on site and ready to used prior to inspection otherwise inspection will not be passed.***
- ***If excess amount of dirt is disturbed erosion control must be in place.***
- ***All re-inspect fees apply.***



City of Hiawatha
101 Emmons St. Hiawatha, Iowa 52233
Phone: 319-393-1515 ext.6 Fax: 319-393-1516

REQUIRED INFORMATION FOR RESIDENTIAL CONSTRUCTION

1. **Site Plan** - shall include

- ☐ Building dimensions
- ☐ Building set back from property lines, easements and shore line.
- ☐ Location of private drive
- ☐ Location of well (if applicable)
- ☐ Location of on-site sewage system (Special permit required)
- ☐ Location of existing or proposed accessory buildings
- ☐ Location of any decks
- ☐ % of non-pervious surface
- ☐ Utility and meter locations
- ☐ SWPPP for any lot of new construction
- ☐ NPDES permit or letter of transfer

2. **Construction Plan** - 2 sets required to scale: 1/4"=1' minimum. Typical section sheets can be used to show most of the following items.

- ☐ Elevations for front, rear and side **(include street number)**
- ☐ Floor plan of basement and each floor above
- ☐ Windows: manufacturer, identification number, NFRC rating, and Clear open area for egress windows
- ☐ Energy Compliance Certificate
- ☐ Foundations: size, material, insulation and reinforcement. If wood foundation is proposed, submit name of manufacturer and all construction details.
- ☐ Footings: depth, size, reinforcement, drainage/discharge, and radon control methods.
- ☐ Roof construction: size and spacing of all framing members, size and type of sheathing, and detailed roofing and underlayment materials.
- ☐ Wall construction: Stud size and spacing; wall bracing locations and type; beam, column, and header sizes and lengths; exterior sheathing material; siding material; insulation and vapor barrier details; interior wall finish.
- ☐ Ceiling construction; framing, insulation, vapor barrier, and interior finishes.
- ☐ Smoke and CO detector locations. **(Interconnected, hard wired with battery backup)**
- ☐ Stair detail: riser height, tread depth, clear width, vertical headroom, and handrail,. Guardrails: locations and details.
- ☐ Fire protection between house and attached garage
- ☐ Fire places and stoves: fuel type, chimney, general construction details. **Unlisted units are not accepted.**

3. **Miscellaneous Items**

- ☐ Plumbing fixtures: types and locations
- ☐ HVAC: appliance listings, types, and locations.
- ☐ Electrical service size and panel location

*These items require a separate permit.

4. **Contact information:** Names, addresses and license numbers:

Contractor _____
Plumber _____
Mechanical _____
Electrician _____

Individual Building Site
Stormwater Pollution Prevention

When individual lot ownership changes from developer to builder, compliance with Iowa Department of Natural Resources (IDNR) General Permit #2 (GP#2) is still required until construction is complete and final vegetation established.

Transfer Agreement Between Developer and Builder

Iowa code contains two provisions for stormwater management after the building site or sites are sold to a builder by a developer. Know where you stand when it comes to stormwater management:

Same authorization: Seller is solely responsible for renewing existing NPDES permit authorization under IDNR's GP#2; buyers must comply with seller's Stormwater Pollution Prevention Plan (SWPPP) and local permits.

Separate authorization: Buyer is solely responsible for IDNR's GP#2 compliance; must develop their own SWPPP, file a Notice of Intent to discharge stormwater under IDNR's GP#2 stormwater permit authorization and comply with local permits.

ON-LINE RESOURCES
NPDES - General Permit No. 2 - SWPPP

Iowa Department of Natural Resources - General Permit No. 2 & SWPPP Guidance Document
http://www.iowadnr.gov/Environmental-Protection/Water-Quality/NPDES-Storm-Water/Online-Storm-Water-Application

Environmental Protection Agency - Stormwater Program Information
http://www.epa.gov/npdes/npdes-stormwater-program

Environmental Protection Agency - Individual Site SWPPP Template
http://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources
(Click Resources & Tools box on the right - Scroll down to Tools)

Exposed soil with no controls is the primary source of sediment leaving construction sites. **Lack of site BMPs** can **result in** water pollution and **enforcement** action, including **monetary fines** (from $500 to $27,500 per day) **and a possible stop work order.**

Transfer Agreement for Storm Water General Permit No. 2 – Same Authorization

This form is to be used when the buyer of any lots in a development agrees and intends to be solely responsible for compliance under the seller's storm water permit authorization and when the seller will continue to renew the existing storm water permit authorization for the development.

Seller's storm water NPDES General Permit No. 2 authorization number in DNR's storm water database:

_____ -- _____

Name and location of permitted project as it appears in DNR's storm water database:

_____

List lot numbers of all lots transferred, addresses including street names and numbers (if available) and any other information needed to identify the transferred property. Additional pages may be attached if necessary.

_____

_____

_____

_____

Printed or typed name of Seller:_____

Printed or typed name of Buyer:_____

Seller understands that as of the date of execution of this contract, Seller is solely responsible for renewing the existing storm water permit authorization under the DNR's General Permit No. 2 until soil-disturbing activities on the property described above are completed and the ground has been stabilized with a permanent, perennial vegetative cover of sufficient density to preclude erosion. Seller may discontinue the authorization under General Permit No. 2 for the property described above only 30 days or more after giving Buyer written notice of such intent.

Buyer understands that as of the date of execution of this contract, Buyer is solely responsible for compliance with the DNR's storm water NPDES General Permit No. 2 for discharging storm water under Seller's storm water permit authorization for the property described above. Buyer therefore agrees and intends to comply with all requirements of the storm water NPDES General Permit No. 2 and all other applicable laws, rules, ordinances and permits regarding storm water discharges.

Signature of Seller: Date:

_____ _____

Signature of Buyer: Date:

_____ _____

Transfer Agreement for Storm Water General Permit No. 2 – Separate Authorization

This form is to be used when the buyer of any lots in a development agrees and intends to obtain a storm water permit authorization for the purchased lot(s), separate from the seller's or another's permit authorization.

Seller's storm water NPDES General Permit No. 2 authorization number in DNR's storm water database:

_____ -- _____

Name and location of permitted project as it appears in DNR's storm water database:

_____

List lot numbers of all lots transferred, addresses including street names and numbers (if available) and any other information needed to identify the transferred property. Additional pages may be attached if necessary.

_____

_____

_____

_____

Printed or typed name of Seller:_____

Printed or typed name of Buyer:_____

Buyer understands that as of the date of execution of this contract, the property described above is no longer covered by an authorization under the DNR's storm water NPDES General Permit No. 2. Buyer also understands that discharging storm water from ground not stabilized with a perennial, vegetative cover of sufficient density to preclude erosion or discharging from any soil-disturbing activity for this property without storm water permit authorization coverage is a violation of state and federal law. Buyer therefore agrees to obtain an authorization under the DNR's storm water NPDES General Permit No. 2 for the property described above if there is ground not stabilized with a perennial, vegetative cover of sufficient density to preclude erosion and prior to commencement of any soil-disturbing activity.

Signature of Seller: Date:

_____ _____

Signature of Buyer: Date:

_____ _____

Individual Building Site
Common SWPPP "Slips"

When you are responsible for the SWPPP read it, understand it and fully implement it. Following are common "slips" related to SWPPP management that result in enforcement action:

SWPPP is not developed, implemented or maintained.

SWPPP doesn't clearly identify where and when each control in the plan will be installed.

SWPPP contractor and subcontractors haven't signed Certification Statement.

SWPPP isn't amended immediately when changes have been made.

SWPPP isn't on-site or sign communicating it's location is not posted.

SWPPP inspections are not completed every seven calendar days, as required in GP#2.

SWPPP isn't provided within three hours after being requested during on-site inspection.

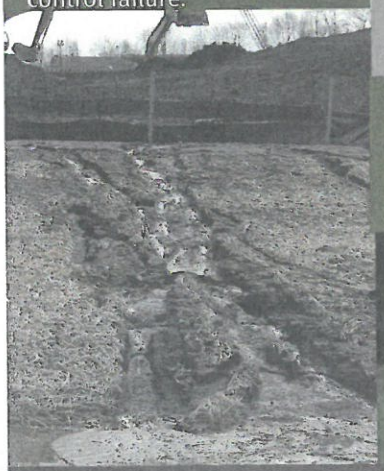
SWPPP violations not corrected within three business days after deficiencies are identified.

SWPPP violations, resulting in an illicit discharge, not corrected immediately.

SWPPP BMPs not maintained, i.e. silt fence at 50% capacity and in need of cleaning or replacement.

WHEN CORRECTIVE ACTION IS REQUIRED

If activities are **not in accordance with the SWPPP, or** if the SWPPP **controls are not effective**, the **qualified professional** inspecting the site needs to **recommend corrective actions to the owner/operator.**



Corrective action required. Evidence of erosion, sediment and velocity control failure.

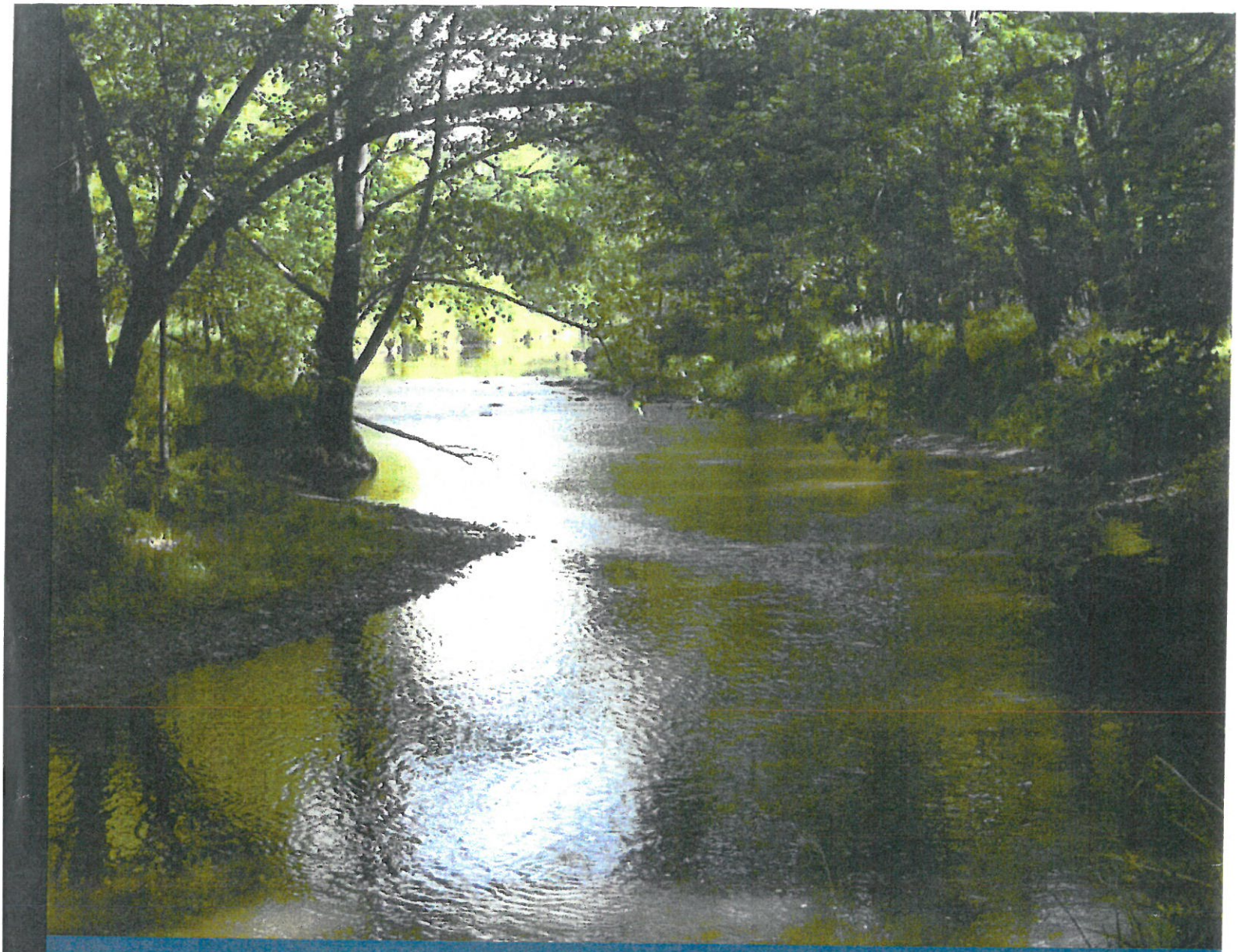
Corrective actions required. Evidence of erosion control and sediment control failure; improper chemical/fuel storage, topsoil stockpile should be relocated and covered or vegetated; polluted stormwater runoff is directly connected to stream corridor with no treatment in between.

Corrective action required. Evidence of sediment control and construction site entrance failure.

IowaStormwater.Org

Developed for ISWEP MS4 Members to inform developers and builders of their regulatory duties and responsibilities associated with construction site runoff control.

©20

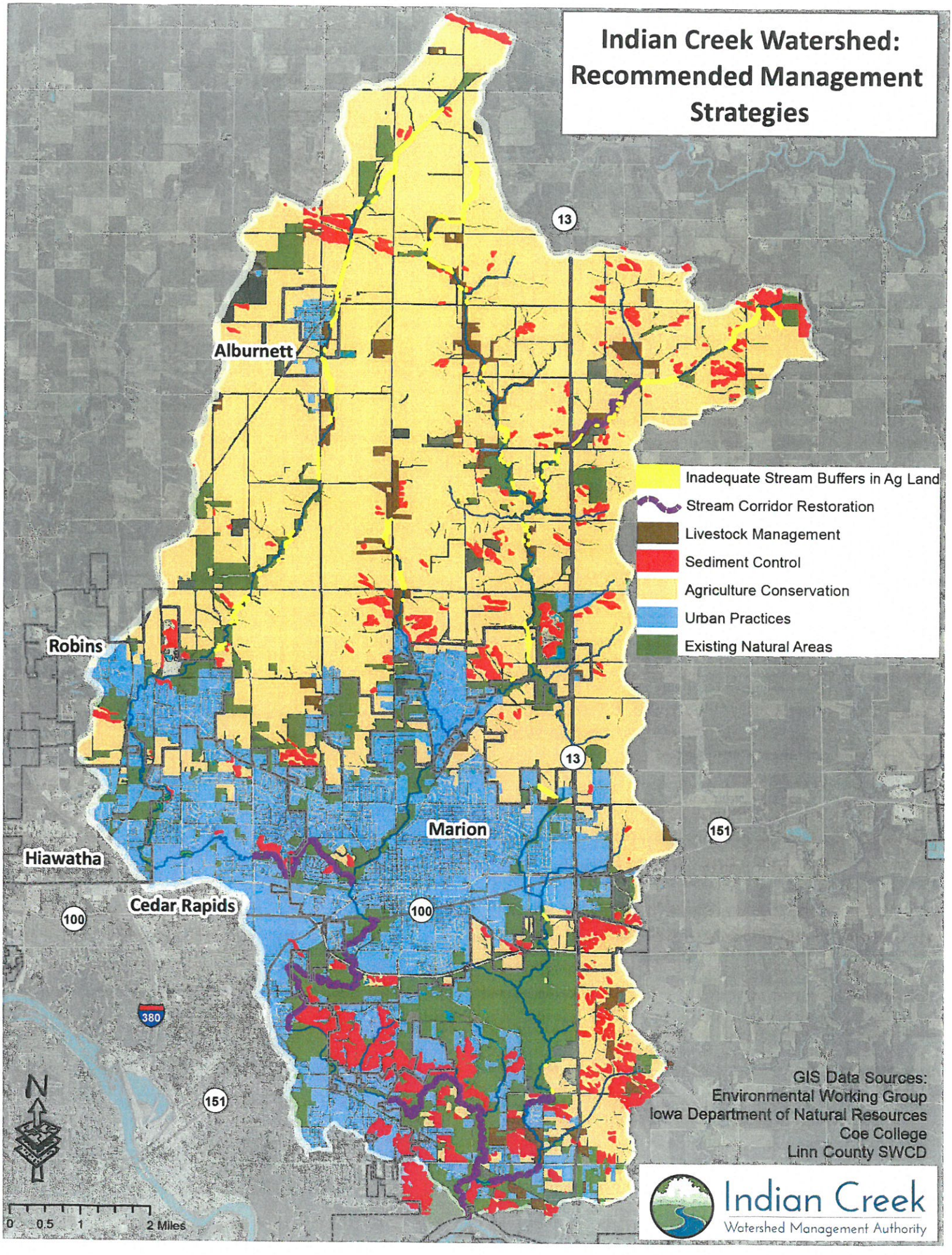


Indian Creek Watershed Management Plan

June 2015

ECICOG
EAST CENTRAL IOWA COUNCIL OF GOVERNMENTS
YOUR REGIONAL PLANNING AGENCY

Indian Creek
Watershed Management Authority


Indian Creek Watershed: Recommended Management Strategies
Alburnett
Robins
Hiawatha
Cedar Rapids
Marion
13
151
100
380
Inadequate Stream Buffers in Ag Land
Stream Corridor Restoration
Livestock Management
Sediment Control
Agriculture Conservation
Urban Practices
Existing Natural Areas
N
0 0.5 1 2 Miles
GIS Data Sources:
Environmental Working Group
Iowa Department of Natural Resources
Coe College
Linn County SWCD
Indian Creek
Watershed Management Authority

Recommended Management Strategies for Zones in the Indian Creek Watershed

Riparian Buffers – At least 35 feet of vegetative cover

Stream Corridor Restoration
Streambank Stabilization
Artificial Pool-Riffle Complexes

Livestock Management
Access Control
Stream Crossings
Heavy Use Area Protection
Planned (Prescribed) Grazing System

Sediment Control
Vegetated filter strips or buffer strips
Grade Stabilization Structure
Contour Farming
Grassed Waterway
Water and Sediment Control Basins

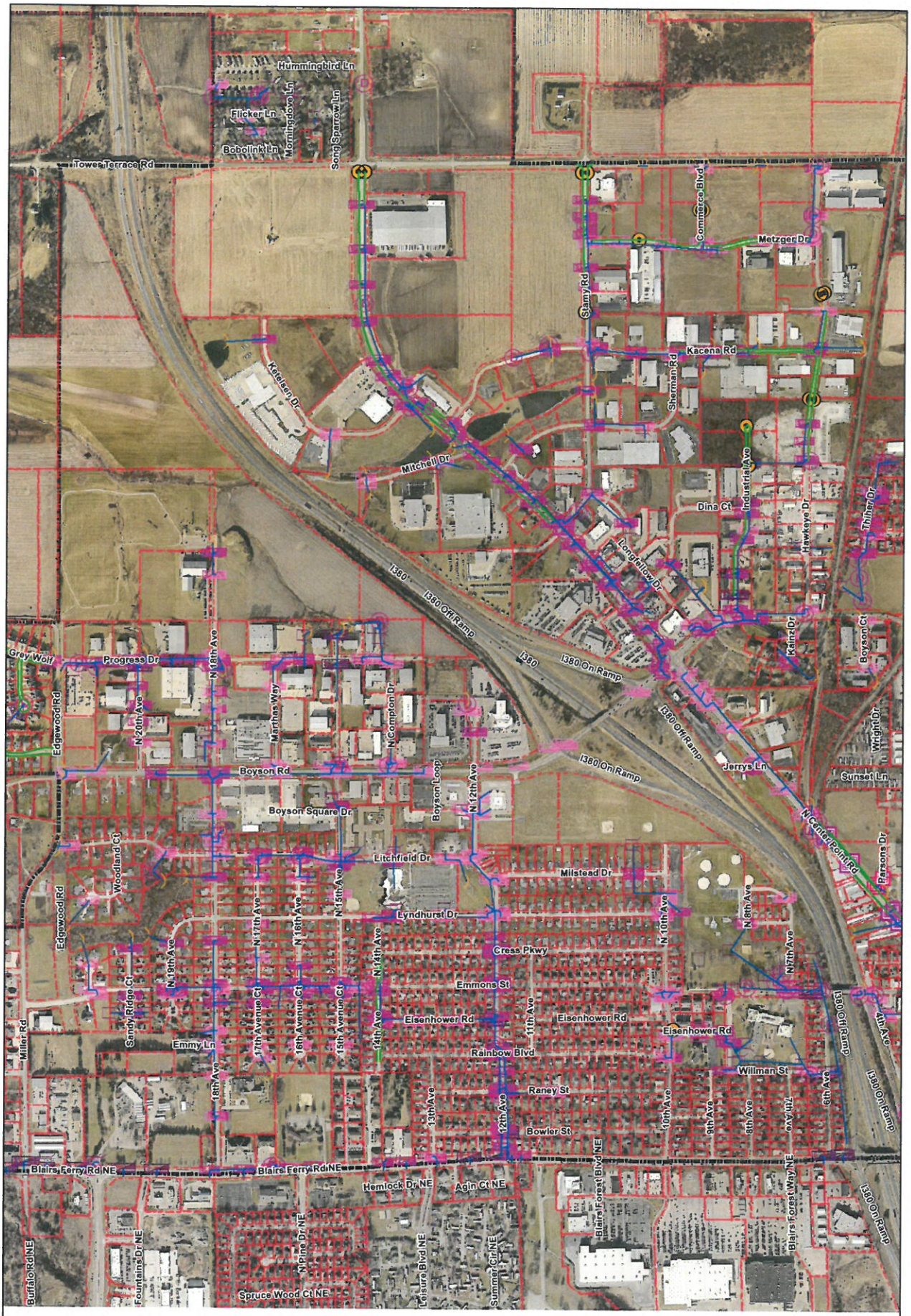
Agricultural Conservation
In-field (Cultural) Management Strategies

Nutrient management practices include:
Reduce nitrogen application rate to the MRTN
Use a nitrification inhibitor
Eliminate fall anhydrous nitrogen application
Side-dress all spring applied nitrogen
Reduce phosphorus application rates
Manure injection/ Phosphorus banding

Other in-field management practices include:
Conservation Tillage
Cover Crops
Increasing organic matter
Extended Rotation
Pasture/Land Retirement

Edge-of-field or structural practices
Terraces
Controlled Drainage (Drainage Water Management)
Nutrient Removal Wetlands
Denitrification bioreactors
Saturated Buffers

Urban Practices
Native Plantings
Bioswales
Pervious Paving
Rain Gardens
Green Roofs
Street sweeping
Regional Detention

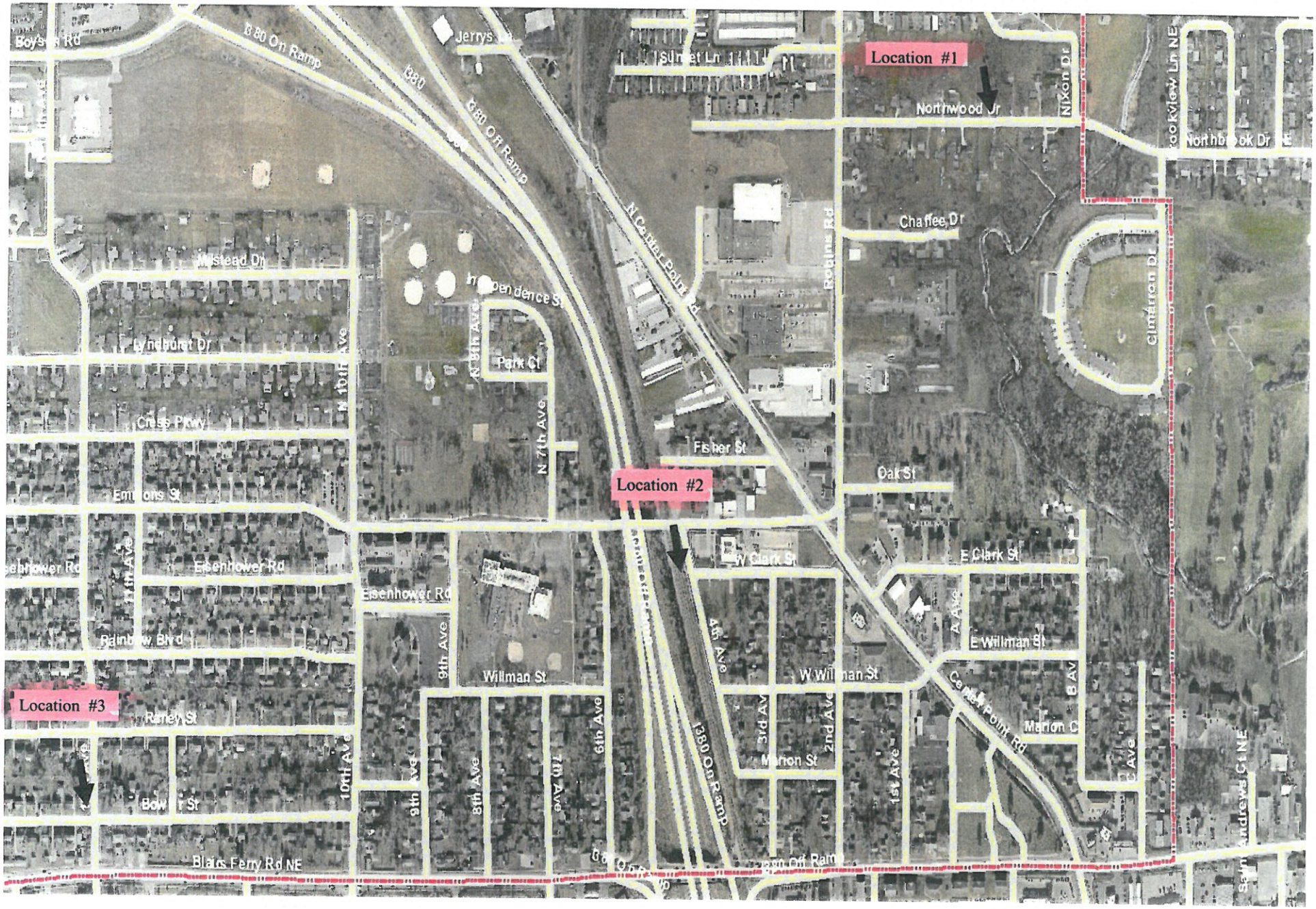


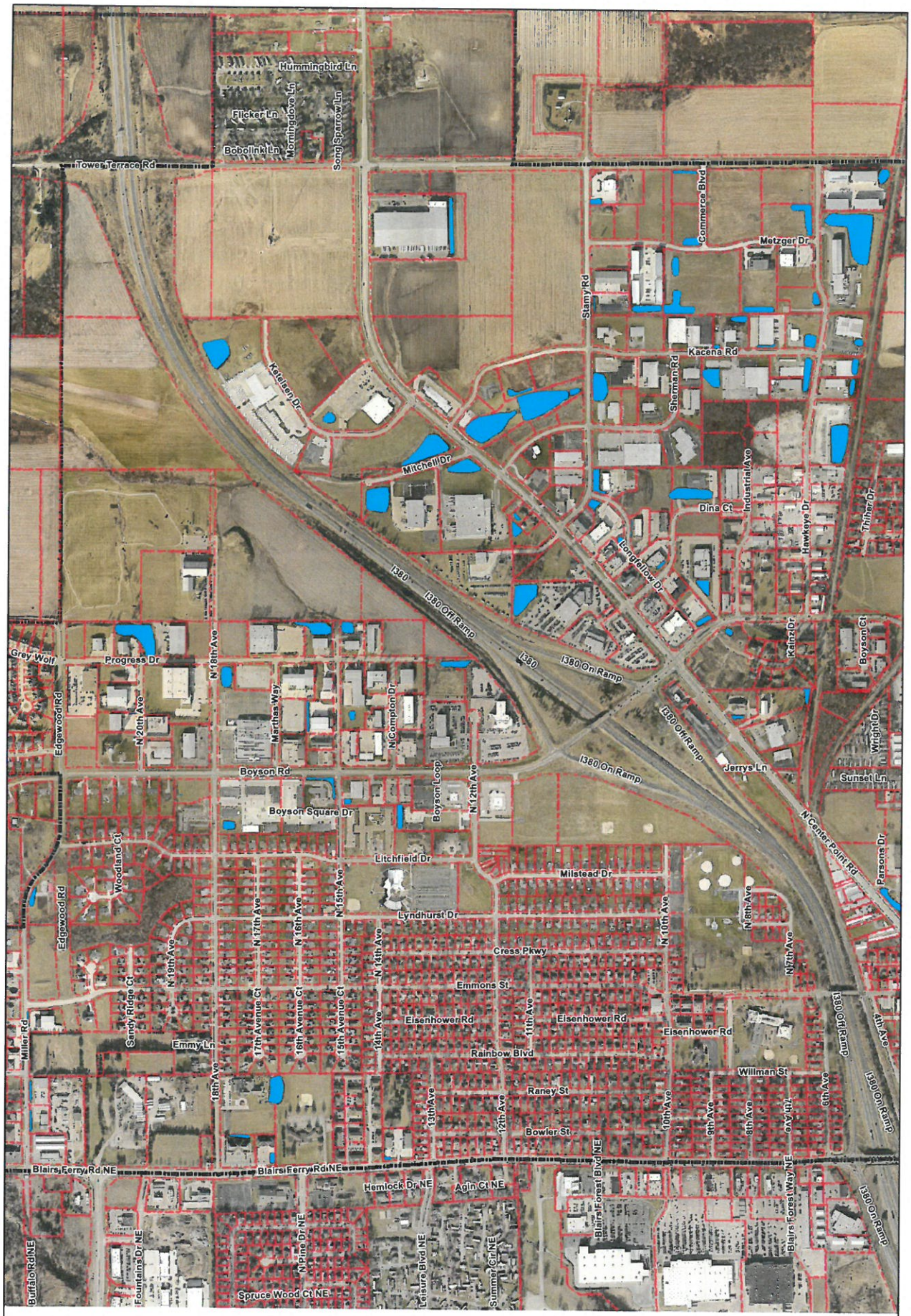
Storm Sewer GIS Mapping

Hiawatha!™

1 inch = 750 feet

Outfall Locations





Detention Basin GIS Mapping

Hiawatha!™

1 inch = 750 feet

RESOLUTION NO. 16-023
City Council

Table 1-A Building Permit and Inspection Fee Schedule

Effective: 02/17/2016
(PREVIOUSLY ADOPTED BY RESOLUTION #14-225 ON 11/05/2014)

TOTAL VALUATION	PERMIT FEE
$1.00 to $2000.00	$45.00
$2,001.00 to $25,000.00	$55.00 for the first $2,000 plus $9.00 for each additional $1,000 or fraction thereof, to and including $25,000.00
$25,001.00 to $50,000.00	$260.00 for the first $25,000.00 plus $7.00 for each additional $1.000.00 or fraction thereof, to and including $50,000.00
$50,001.00 to $100,000.00	$435.00 for the first $50,000.00 plus $5.00 for each additional $1,000.00, or fraction thereof, to and including $100,000.00
$100,001.00 to $500,000.00	$685.00 for the first $100,000.00 plus $4.00 for each additional $1,000.00, or fraction thereof, to and including $500,000.00
$500,001.00 to $1,000,000.00	$2285.00 for the first $500,000.00 plus $3.50 for each additional $1,000.00, or fraction thereof, to and including $1,000,000.00
$1,000,001.00 and up	$4035.00 for the first $1,000,000.00 plus $2.50 for each additional $1,000.00, or fraction thereof

Other Permit Fees:		**Permit Fee**
1. Foundation only permit prior to issuance of building permit in addition to all other permit fees		$250.00
2. Residential maintenance permits: window, door, siding and roof replacements		$45.00
3. Fence accessory to one & two family dwellings		$45.00
4. Sign Permit:		$45.00 per sign
5. Work in Right of Way Permit Communication Lines $100 Residential $60.00 per item* Commercial $100.00 per item* *Items include; sidewalks/approaches, sewer, water, storm sewer, gas, trees, electric. *Water tap fee required by Water Board Rules is included.		
6. Demolition or moving Permit:	Single family or two family Multiple family or commercial Industrial structure	$45.00 $75.00 $100.00
7. Site Grading Permit: (for sites with no building permit)		$150.00 plus Erosion Control Permit
8. Site Erosion Control Permit: (required for all constructions sites)		Major Erosion Control Permit $200.00 Minor Erosion Control Permit $100.00
9. Geothermal Well Permit horizontal loop (minor residential)		$100.00
10. Geothermal Well Permit horizontal loop (major)		$200.00
11. Geothermal Well Permit vertical wells		$300.00
12. Commercial Site Plan Review: new buildings or structures, building additions, additional parking or other added non-pervious surfaces		$150.00

Erosion Control Inspection Report (Sample)

7/2016 - 7/2017

File#	Inspection Date	Property Owner	Email Address	Location	Inspection Status
16-010946	07/06/2016	AL	FREYALFCC@AOL.COM	000 Pines at Turtle Creek 5th Addition	Fail
16-010946	07/08/2016	AL	FREYALFCC@AOL.COM	000 Pines at Turtle Creek 5th Addition	Closed
17-000159	03/20/2017		drobertshds@gmail.com	1208 North CENTER POINT Road	Abated
16-016434	10/17/2016	Willam	wendy@novakelectricinc.com	1355 BOYSON LOOP	Incomplete
16-016052	07/05/2016	ABNEY	chris@kenwayex.com	150 North 16TH Avenue	Closed
17-000030	05/03/2017	Tred	tschnoor@s-b-engineering.com	1550 HAWKEYE DR	Incomplete
17-000030	05/04/2017	Tred	tschnoor@s-b-engineering.com	1550 HAWKEYE DR	Pass
17-000106	03/23/2017	Tred	wendy@ladco-inc.com	1704 COMMERCE Boulevard	Pass
17-000057	02/13/2017	Tamara	Tammy@duballelectric.com	2305 HERITAGE GREEN Drive	Pass
17-000154	03/17/2017	Rogers Concrete Construction, Inc.	wendy@ladco-inc.com	2919 DIAMONDHEAD Road	Pass
16-016383	09/28/2016	Rogers Concrete Construction, Inc.	unielectric@aol.com	2920 DIAMONDBACK Road	Incomplete
16-016383	09/28/2016	Rogers Concrete Construction, Inc.	unielectric@aol.com	2920 DIAMONDBACK Road	Pass
16-016433	10/17/2016	Rogers Concrete Construction, Inc.	wendy@ladco-inc.com	2923 DIAMONDBACK Road	Pass
16-016433	10/14/2016	Rogers Concrete Construction, Inc.	wendy@ladco-inc.com	2923 DIAMONDBACK Road	Pass
16-015804	07/06/2016	Ron	rogersconcreteia@hotmail.com	2926 Diamondback Rd	Fail
16-015804	07/11/2016	Ron	rogersconcreteia@hotmail.com	2926 Diamondback Rd	Fail
16-015804	07/08/2016	Ron	rogersconcreteia@hotmail.com	2926 Diamondback Rd	Fail
16-016353	09/29/2016	Ron	winkeldesignforum@gmail.com	2930 DIAMONDBACK Road	Pass
16-016353	09/16/2016	Ron	winkeldesignforum@gmail.com	2930 DIAMONDBACK Road	Fail
17-000528	06/22/2017	Shad	wendy@ladco-inc.com	2932 DIAMONDBACK RD	Pass
16-016438	10/17/2016	Shad	wendy@ladco-inc.com	2934 DIAMONDBACK Road	Pass
17-000521	06/15/2017	Rogers Concrete Construction, Inc.	wendy@ladco-inc.com	2935 DIAMONDBACK RD	Pass
16-016107	07/06/2016	Ron	rogersconcreteia@hotmail.com	2936 DIAMONDBACK Road	Not Ready
16-016107	07/07/2016	Ron	rogersconcreteia@hotmail.com	2936 DIAMONDBACK Road	Pass
16-016107	10/17/2016	Ron	rogersconcreteia@hotmail.com	2936 DIAMONDBACK Road	Fail
16-016107	10/17/2016	Ron	rogersconcreteia@hotmail.com	2936 DIAMONDBACK Road	Closed
17-000468	05/24/2017	Ron	nsamanthauer@aol.com	3001 FORREST MEADOW LN	Pass
17-000435	05/25/2017	VOT	rogersconcreteia@hotmail.com	3004 FORREST MEADOW Lane	Pass
16-009431	07/25/2016	Ron	nunemaker@LINNCOUNTYREC.COM	3008 FORREST MEADOW Lane	Violation Found
16-016544	11/15/2016	Scott	ssherwood75@yahoo.com	3011 FORREST MEADOW Lane	Pass
16-016368	09/29/2016	Scott	ssherwood75@yahoo.com	3013 FORREST MEADOW Lane	Pass
17-000434	06/07/2017	Ron	rogersconcreteia@hotmail.com	3036 DELL RIDGE CT	Pass
16-016377	10/07/2016	Ron	precisionbuilderscr@gmail.com	3036 SAVANNAH Court	Pass

Minutes

Hiawatha Storm Water Advisory Committee

March 23, 2017 at 5:00 pm-6:00pm

City Hall Multi-purpose Room

1. **Call to order-Present:**

   Kevin Neuendorf

   Ted Martin

   Ethan Ronnebaum

   John Bender-City Engineer

2 **Minutes:** John Bender provided the minutes of the January 19, 2017 meeting

3 **Discussion of ordinance final drafts:**

a. Chapter 162 Storm Water Drainage System

   i. The discussion of this ordnance has updated section 162.03 definitions. We also eliminated section 162.04 and section 162.05 regarding the affidavit of property interest. We also updated section 162.19 regarding the certification and maintenance for detention facilities.

   ii. The section 165.50 of the Unified development Code was also reviewed as a lot of the language in section 162 is identical in the development code. Changes were approved by the City Council on March 1, 2017.

   iii. The ordinance change to authorize the formation of the Storm Water Advisory Committee was added to Chapter 162.21.

b. Chapter 167 Filling, Grading, Erosion Control

   i. The preliminary discussion of this ordnance as it related to topsoil rule. Any revisions should include the process the City wants to use as it relates to new construction and how we address the preservation of topsoil. Staff will bring adding resources to the next meeting to discuss.

4 Other business:

a. Discussions included updating the City website to include scheduled meetings of the Storm water advisory committee.
b. Ordinances Chapter 101, 102, and 162 are scheduled to be approved by the City Council at the May 3, 2017 Council Meeting.

5 Other discussions

a. Next meeting June 22, 2017

6 Adjourn

REVENUE & EXPENSE REPORT
CALENDAR 6/2017, FISCAL 12/2017

PCT OF FISCAL YTD 100.0%

ACCOUNT NUMBER	ACCOUNT TITLE	TOTAL BUDGET	MTD BALANCE	YTD BALANCE	PERCENT EXPENDED
740-865-6010	SALARIES--STORM SEWER	56,131.00	4,978.41	47,038.41	83.80
740-865-6110	FICA/MEDICARE--STORM SEWE	4,294.00	379.05	3,567.12	83.07
740-865-6130	IPERS--STORM SEWER	5,013.00	444.54	4,162.81	83.04
740-865-6151	HEALTH INS & DEDUCTIBLE	.00	.00	.00	.00
740-865-6160	WORK COMP INSURANCE	2,400.00	.00	.00	.00
740-865-6210	DUES/MEMBERSHIP/SUBSCRIPT	.00	.00	.00	.00
740-865-6230	EDUCATION & TRAINING	3,500.00	.00	260.00	7.43
740-865-6331	VEHICLE MAINTENANCE SUPPL	3,000.00	.00	1,288.66	42.96
740-865-6332	VEHICLE/EQUIP REPAIR & MA	.00	.00	.00	.00
740-865-6407	ENGINEERING	1,000.00	.00	.00	.00
740-865-6498	STREET SWEEPING	.00	.00	.00	.00
740-865-6499	MISC CONTRACTUAL	3,000.00	.00	1,427.50	47.58
740-865-6507	OPERATING SUPPLIES & MISC	5,000.00	.00	5,670.57	113.41
740-865-6511	VEHICLE OPERATING SUPPLY	2,000.00	4.27	518.39	25.92
740-865-6674	EPA STORM WATER PLAN	5,000.00	.00	3,031.00	60.62
740-865-6717	KAINZ DR	50,000.00	.00	.00	.00
740-865-6765	VARIOUS DRAINAGE PROJECTS	.00	.00	.00	.00
740-865-6766	CATCH BASIN REPAIR/RECON	.00	2,780.00	2,780.00	.00
	STORM SEWER TOTAL	140,338.00	8,586.27	69,744.46	49.70
	STORM SEWER TOTAL	140,338.00	8,586.27	69,744.46	49.70
	TOTAL OF ALL EXPENSES	140,338.00	8,586.27	69,744.46	49.70