City of Davison
City Council Meeting
February 24, 2014
7:30 PM
City Council Chambers

I. Call to Order and Pledge of Allegiance

II. Approval of the Regular Agenda

III. Brief Public Comments on Agenda Items

IV. Approval of Consent Agenda

A. Planning Commission Minutes February 11, 2014 – Draft (att.)
B. Metro Alliance Appointment – Joan Snyder – Term ending December 31, 2014
C. DDA Appointment – Carrie Baugher – Term ending September 1, 2015 (att.)
D. Family Promise of Genesee County Road Race August 9, 2014 - Abernathy Park (att.)

V. Approval of Minutes

A. Goals & Objective Minutes February 1, 2014 Meeting (att.)
B. Council Minutes February 10, 2014 Regular Meeting (att.)
C. Goals & Objectives Minutes February 18, 2014 Meeting (att.)

VI. Communications to the Council

VII. City Manager Report

VIII. Council Committee Reports

IX. Unfinished Business

A. Engineering Report (att.)
B. M-15 & Flint Street Left Turn Arrow
C. Open Issues Log (att.)

X. New Business

A. First Reading Ordinance 2014-02 Chapter 1048 Water and Sewer Rates (att.)
B. First Reading Ordinance 2014-03 Chapter 1047 Storm Water (att.)
C. 2014-2015 Budget Process CIP (att.)
D. Resolution 2014-04 TIF District Legislation (att.)
E. Resolution 2014-05 Storm Water Pollution Prevention (att.)
F. Resolution 2014-06 Fee Schedule (att.)

XI. Public Comments not included on the agenda

XII. Announcements

XIII. Adjournment

Per City of Davison Council Rules and Procedures:
Each member of the public is limited to 3 minutes for public comment unless granted more time by the Mayor.

CITY OF DAVISON
PLANNING COMMISSION
REGULAR MEETING MINUTES
February 11, 2014

PRESENT: Richard Fridline, Craig Carlton, Pat Stetson, Chris Hinkley, Alex Fabian, Gerald Kennedy, Carrie Baugher

ABSENT: Mary Stearns

STAFF PRESENT: Michael Hart, Barbara McCrea

OTHERS PRESENT: 2

1. CALL TO ORDER:
Vice-Chairperson Fridline called the meeting to order at 7:00 p.m.

2. APPROVAL OF AGENDA:
Motion made by Mr. Stetson, seconded by Mr. Hinkley, to approve the February 11, 2014 agenda as presented. **Motion carried.**

3. APPROVAL OF MEETING MINUTES:
Motion made by Mr. Kennedy, seconded by Mr. Stetson, to approve the meeting minutes as presented from January 14, 2014. **Motion carried.**

4. PUBLIC COMMENTS & COMMUNICATIONS CONCERNING ITEMS ON THE AGENDA: Questions were asked regarding the CIP Budget.

6. NEW BUSINESS:
A. Election of Officers: Motion made by Mr. Fridline, seconded by Ms. Baugher, to appoint Craig Carlton as Chairperson. **Motion carried.**
Motion made by Mr. Fabian, seconded by Mr. Carlton, to reappoint Richard Fridline as Vice-Chairperson. **Motion carried.**
Motion made by Mr. Fridline, seconded by Mr.Stetson, to appoint Alex Fabian as Secretary. **Motion carried.**

Mr. Carlton took over as Chairperson and continued the meeting.

B. CIP Budget: Motion made by Mr. Fridline, seconded by Mr. Kennedy, to approve the 2014-2020 CIP Budget as presented, and submit to Council for approval. **Motion carried.**

5. UNFINISHED BUSINESS:

A. Dumpster Ordinance: Motion made by Mr. Kennedy, seconded by Mr. Fabian, to take the Dumpster Ordinance off the table, and put it to the floor. **Motion carried.**

Chairperson Carlton appointed a committee to be comprised of Mr. Stetson, Mr. Hinkley, and Mr. Kennedy, to look into the Dumpster Issue and report back to the Commission.

7. COMMITTEE AND SPECIAL REPORTS:

8. OTHER BUSINESS:

Mr. Fridline requested a letter of appreciation be sent to Mr. Bauswell for his service.

9. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA:

10. NEXT SCHEDULED MEETING MARCH 11, 2014

11. ADJOURNMENT:

Motion made by Mr. Stetson, seconded by Mr. Fabian, to adjourn the meeting at 7:54 p.m.
Motion carried.

Craig Carlton, Chairperson

Barbara McCrea, Planning Commission Coordinator

RECEIVED
APR 19 2013

CITY OF DAVISON
COMMITTEE MEMBER APPLICATION

Name: Carrie Baugher

Address: 502 S. Main St., Davison, MI 48423

How long have you lived at this address: 2 years

Telephone: Home None **Cell:** (810) 397-6102 **Business:** (810) 244-3272

Email Address: carrie.baugher@mcc.edu

Occupation: Community Technology Center Coordinator

Committee Applying For: Planning Commission and DDA

Will you sit on another committee if we have an opening? Yes X **No** _____

If so, what committees: Library Board and Senior Citizens Authority

Why do you want to serve and what do you feel you have to offer to the committee/authority/board for which you have indicated an interest:

I have extensive knowledge on how to increase access for all individuals by removing barriers. It is more cost effective to bring these ideas/perspective to the appropriate committees prior to a project's start rather than try to fix a barrier after a project's completion. People don't intentionally put up barriers to access. They have a great idea and want to implement it. I'm a "scenario what-if" problem solver. I am able to look at those great ideas, suggest low to no-cost adjustments, and let that great idea become an equal access, barrier-free awesome idea.

Please give a brief summary of your educational and work background as well as any previous civic or service club involvements. (Optional)

I have a master's degree in human resource management. Some of my current work activities include: working on Complete Streets initiatives, assist in coordination of CDBG ramp and home modification initiatives in the City of Flint, creation of alternative formats to meet ADA guidelines, engaging with local politicians regarding implementation of accessible initiatives, and consulting with seniors and people with disabilities on adapted equipment resources and funding options.
I'm a member of SAGE (Safe & Active Genesee for Everyone). I serve on their mini-grant review team. I've given applications for these grants to various departments of Davison including the planning commission, DCER, and Library. When we had excess money, I asked the Davison DDA to apply for a free bike rack from SAGE. They did and were granted one. I sit on the HealthPlus Tour de' Crim operational committee. During the City of Flags parade, I give out free bottled water to parade visitors and volunteers. My family runs a water station for the Pumpkin Run whose proceeds benefit the Davison Educational Foundation.

Please complete and return this form to:
City Clerk, Davison City Hall, 200 E Flint Street, Ste 2, Davison, MI 48423

This information will be provided to the City Council for use in making appointments to the various committees, boards, authorities. Completion of this form does not guarantee an appointment.

Signature: CBaugher **Date:** 4/19/13

Thank you for your interest in serving the City of Davison.

Family Promise® of Genesee County

P.O. Box 4519
Flint, MI 48504
www.familypromiseofgc.org
info@familypromiseofgc.org

DAY CENTER:
Calvary UMC
2111 Flushing Rd
Flint, MI 48504

Host Churches:

Court Street UMC
Davison Free Methodist
Davison UMC
First UMC
Flushing Presbyterian
Flushing UMC
Holly Calvary UMC
Holy Spirit Lutheran
New Life Community Lutheran
St. Paul's Episcopal
Swartz Creek UMC
Trinity Assembly of God
Trinity Lutheran
Westside Baptist

Support Churches:

Christ the King Catholic
Diamond UMC
First Baptist
First Presbyterian
Holy Family Catholic
Journey Ministries
Otisville UMC
Our Risen Lord Lutheran
St. Dunstan's Episcopal
St. Jude's Episcopal
St. Roberts Catholic
St. Timothy Lutheran

February 13, 2014

Dear Davison City Council Members,

Family Promise of Genesee County is a non-profit organization; a part of the National Family Promise Interfaith Hospitality Program organization. This program began in 1986 and has been replicated in 41 states nationwide. We are dedicated to keeping homeless families together during temporary periods of homelessness. The churches involved are listed on the letter head and are all located throughout the Genesee County. Our list of support churches is still growing.

We are requesting the approval of Davison City Council to hold a special event at the Davison Abernathy Regional Park on Saturday, August 9, 2014 at 8:00 AM. We would like to apply for a 5K Competitive Walk, Run road race –with a fun run for children- possibly a race around the tennis courts, keeping them visual at all times.

This run is a fundraising event for Family Promise of Genesee County. Our annual budget is $108,000.00 – the funds raised help cover expenses for the Director, Van driver salaries, all operational expenses as well as vehicle costs for transportation of the homeless families we are serving.

As of now of our team members for organizing the Road Race are Michelle Edwards, John and Sara Crongeyer, Laurie Callis, Michelle Traynor, Jody Hayward, Patti Kooy, Craig Leavitt, Karen Vobach and myself Diana Snider.

The running course would be similar to "Parcel in the Park" run which has been held by Bob Callis for several years. Last year we ran our first road race at Genesis Health Park with 130 attending runners. We are hoping to exceed or at least double our number of runners by being in a location that is conducive for a more competitive course as well as a course that is family friendly.

We will be having Family Promise volunteers to help with running the event.

Please let us know of other permits, application fees or any other expenses.

We have also asked Davison Odd Fellows to put on a Pancake Breakfast for the runners after the race.

Upon approval we would like to inquire the costs of renting the pavilions for runners and their families after the run to enjoy Davison Abernathy Regional Park – possibly one hour finishing 10:30 – 11:00AM

We would appreciate your consideration and approval to permit Family Promise of Genesee County Run, on Saturday, August, 9, 2014 at 8:00 AM.

Thank you,

Diana Snider
Vice President
Family Promise of Genesee County

City of Davison
City Council
Goals & Objectives
February 1, 2014
8:00 AM
Davison Senior Center

Present: Mayor Tim Bishop, Gary Peppin, Joan Snyder, Jack Abernathy, Paul Hammond, Ron Emery and Pat Stetson

Staff: City Manager Michael Hart, City Clerk Andrea Schroeder, Police Chief Bill Brandon, City Treasurer Julie Pray, DPW Supervisor Ed Brown

Others: 0 General public

CALL TO ORDER
Mayor Bishop called the meeting to order at 8:02 a.m.

MOTION 16-14 APPROVAL OF THE AGENDA
Motion by Mr. Abernathy, and seconded by Ms. Snyder to approve the agenda as presented. Motion carried.

COUNCIL/DEPARTMENTAL GOALS & OBJECTIVES
Each Council Member and Department Supervisor presented their individual goals and objectives.

Department Supervisors excused at noon.

Mr. Emery was absent from the meeting after noon.

MOTION 17-14 ADJOURNMENT
Motion by Mr. Stetson, and seconded by discussion to adjourn the meeting at 3:30 p.m.

Mayor Tim Bishop | **City Clerk Andrea L. Schroeder**

Council Goals & Objectives
(FY 2014-2015)

1. Economic Development:

(a) ***Liquor License Redevelopment District:*** Create commercial district for the downtown area and especially Main Street. The district will encompass the current DDA district.

(b) ***Mill Street:*** Resolution on the potential closing of Mill Street for future redevelopment. Also, this addresses safety concerns with the ingress and especially egress onto M-15.

(c) ***Flight Path Inquiry:*** Dialogue with Davison Township on questions regarding flight path development concerns along Rising Street. Coordination will be with Councilman Abernathy and City Manager Hart with Davison Township Officials.

2. Infrastructure:

(a) ***Sidewalks:*** Continue work with Policy Committee to create walkability through the whole City of Davison and related issues of financing the same.

(b) ***Streets:*** Investigate changes with the ingress/egress of Bay Street and M-15. Coordination will be with Councilman Hammond, City Engineer Panduran, and City Manager Hart. Others will be involved as necessary.

(c) ***Park Committee:*** Establish an advisory park committee to facilitate the development or refurbishment of City Parks. This committee will be tasked by and advise Council as necessary.

3. **Partnership:** Work with the various groups such as the City's DDA and other City Authorities, Commissions, or Committees to provide support and assistance when needed. Also, work with our external Quad-Unit partners Davison Township, Richfield Township, and Davison Area Schools to strengthen the relationships and collaborate on shared services when able.

4. **Communication:** Both the City Council and City Manager will demonstrate effective leadership by reaching out as necessary both internally and externally to discuss issues and to ask questions on various ongoing matters.

Department Heads (supplemental):

(1) Clerk Andrea Schroeder:

(a) Change Council elections to even year November starting 2015 with newly elected(s).
(b) Purchase of mini P.C.s or tablets for council members.
(c) New Chairs for Council Chambers.
(d) Care in the use of social media and the City's image.

(2) DPW Superintendent Edward Brown:

(a) Completion and implementation of NPDES/MS4 storm water permit.
(b) Compliance per existing and future NPDES/MS4 permit and Jack N. Abernathy Park compost site. As part of this, redevelopment of the existing park property after the compost material is removed.
(c) Work on street maintenance and potential street reconstruction of Cambridge Drive and Church Street.

(3) Police Chief Bill Brandon:

(a) Provide for a successful transition with Lieutenant Gilbert's recent retirement and the pending retirement of the Chief and hiring of a replacement.
(b) Connecting to hi-speed fiber for improved police department communications.

(4) Treasurer Julie Pray:

(a) FY 2013/2014 audit with no material weaknesses.
(b) Budget amendments performed on a quarterly basis.
(c) Combining the payroll and fringe bank accounts into the general account as recommended by the City Auditor, Plante Moran.

City of Davison
City Council Meeting
February 10, 2014
7:30 PM
City Council Chambers

Present: Mayor Tim Bishop, Jack Abernathy, Paul Hammond, Joan Snyder, Gary Peppin, Ron Emery, and Pat Stetson

Absent:

Staff: City Manager Michael Hart, Deputy City Clerk Beth Holm, Police Chief Bill Brandon, DPW Supervisor Ed Brown and Treasurer Julie Pray

Others: 9 General public

CALL TO ORDER AND PLEDGE OF ALLEGIANCE
Mayor Bishop called the meeting to order at 7:30 p.m.

MOTION 18-14 APPROVAL OF THE REGULAR AGENDA
Motion by Mr. Stetson, and seconded by Mr. Abernathy to approve the regular agenda for February 10, 2014 as presented. Motion carried.

PUBLIC COMMENTS
Chief Brandon introduced new full-time police officer Lindsay Vogt.

Comments and questions made on the 125th birthday.

Comments made on the animal ordinance.

APPROVAL OF CONSENT AGENDA

A. Planning Commission Minutes January 14, 2014 - Draft
B. Davison Area Library Board Minutes January 15, 2014 - Draft

MOTION 19-14 APPROVAL OF CONSENT AGENDA
Motion by Ms. Snyder, and seconded by Mr. Abernathy to approve consent agenda as presented. Motion carried unanimously by roll call vote.

APPROVAL OF MINUTES
MOTION 20-14 APPROVAL OF JANUARY 27, 2014 REGULAR MEETING MINUTES
Motion by Mr. Abernathy, and seconded by Mr. Peppin to approve the January 27, 2014 regular Meeting Minutes as presented. Motion carried.

MOTION 21-14 BILLS PRESENTED FOR PAYMENT
Motion by Mr. Emery, and seconded by Ms. Snyder to approve the bills for payment in the amount of $1,145,776.78. Motion carried.

COMMUNICATION TO THE COUNCIL

APPOINTED OFFICERS REPORT
Mr. Hart presented the Monthly Permits, Inspections and Zoning Violation Report for January 2014.

Mr. Brown presented the Monthly DPW Report for January 2014.

Chief Brandon presented the Monthly Police Report for January 2014.

Mrs. Pray presented the Monthly Revenue & Expenditure Report for January 2014.

CITY MANAGER REPORT
Redrafted of the water rate ordinance is being sent to the city attorney for review. The Storm water ordinance is in progress. The goals & objectives are drafted and will be emailed to council. Mr. Hart informed Council what the topics were at the winter institute. We received a donation of $1000 from Mahle Behr corporation for bicycle helmets.

COUNCIL COMMITTEE REPORT
Mr. Emery: ZBA is meeting on February 26th.
Mr. Stetson: TJ Baswell resigned from the Planning Commission.
Ms. Snyder: The Winter Olympics is going on at the Senior Center and enrollment is up.
Mr. Peppin: Small Cities met in Gaines. Len Thomas, President of Swartz Creek historical society spoke.
Mr. Hammond: Policy committee meeting Wednesday to discuss Council rules and fireworks.
Mayor Bishop: DDA Promotions committee is working on car cruise

UNFINISHED BUSINESS
ENGINEERING REPORT MAIN STREET ROAD PROJECT

M-15 & FLINT STREET LEFT TURN ARROW
Mr. Hart stated that there will be a warrant study done in a few months. He will check with the Davison TSC regarding speed limit on M-15.

MOTION 22-14 SECOND READING AND ADOPTION OF ORDINANCE 2014-01 CHAPTER 612 ANIMAL ORDINANCE
Motion by Mr. Hammond, and seconded by Mr. Peppin to approve the second reading and adopt Ordinance 2014-01 Chapter 612 Animals Ordinance as presented. Motion carried.

MOTION 23-14 ADOPTION OF RESOLUTION 2014-02 FEE SCHEDULE
Motion by Mr. Hammond, and seconded by Mr. to approve resolution 2014-02 Fee Schedule as presented. Motion carried.

ANY ITEM REMOVED FROM CONSENT AGENDA

NEW BUSINESS
MOTION 24-14 APPROVAL OF RESOLUTON 2014-03 DESIGNATION OF THE PRIMARY FREIGHT NETWORK
Motion by Mr. Hammond, and seconded by Mr. Abernathy approve Resolution 2014-03 Designation of Primary Freight Network as presented. Motion carried.

MOTION 25–14 TIF DISTRICT LEGISLATION RESOLUTION
Motion by Mr. Abernathy, and seconded by Mr. Peppin to have the City Council and DDA draft and resolution and the LDFA draft a letter expressing our opinion on the possible TIF District legislation. Motion carried.

MOTION 26-14 CITY OF DAVISON 125th BIRTHDAY COMMITTEE
Motion by Mr. Abernathy, and seconded by Ms. Snyder to have City Manager Hart and Mayor Bishop co-chair the 125th birthday celebration and to populate the committee as needed. Motion carried.

PUBLIC COMMENTS NOT INCLUDED ON THE AGENDA
Thank you to Mayor Bishop, Pat Stetson, and Jack Abernathy for helping to take down the Christmas decorations downtown.

Gary Hicks from Republic Waste stopped in to check to see how service was going in the City.

ANNOUNCEMENTS
Mr. Abernathy thanked Mr. Hammond and Mr. Stetson for reports they wrote up.

Hammond: Staff Appreciation Luncheon on Friday.
Mayor Bishop: Animal Control event taking place on February 14th.

MOTION 27-14 ADJOURNMENT
Motion by Mr. Emery, and seconded by Mr. Abernathy to adjourn the meeting at 9:05 p.m. Motion carried.

_____ _____

Mayor Tim Bishop **Deputy City Clerk Elizabeth J. Holm**

City of Davison
City Council
Goals & Objectives
February 18, 2014
8:00 AM
City Council Chambers

Present: Mayor Tim Bishop, Gary Peppin, Joan Snyder, Jack Abernathy, Paul Hammond, Ron Emery and Pat Stetson

Staff: City Manager Michael Hart

Others: 0 General public

CALL TO ORDER
Mayor Bishop called the meeting to order at 7:13 p.m.

MOTION 28-14 APPROVAL OF THE AGENDA
Motion by Mr. Emery, and seconded by Mr. Stetson to approve the agenda as presented. Motion carried.

PUBLIC COMMENTS

GOALS & OBJECTIVES
The following Goals & Objectives were discussed:

- Economic Development
- Liquor License Redevelopment District
- Economic Development Coordinator
- Painting of W. Flint Street from M-15 to West City Limits
- Burying Utilities

MOTION 29-14 LIQUOR LICENSE REDEVELOPMENT DISTRICT
Motion by Mr. Hammond, and seconded by Mr. Emery to direct the City Manager to begin the work on Liquor License Redevelopment District as a priority in this fiscal year. Motion carried

MOTION 30-14 ADJOURNMENT
Motion by Ms. Snyder, and seconded by Mr. Hammond to adjourn the meeting at 9:33 p.m.

_____ _____

Mayor Tim Bishop **City Clerk Andrea L. Schroeder**

ROWE PROFESSIONAL SERVICES COMPANY

Large Firm Resources. Personal Attention.℠

City of Davison
Monthly Engineering Report
February 18, 2014

Current Project Updates:

Main Street Resurfacing and Widening

- Project close-out will occur in the spring. ROWE's role should be very minimal since construction has been completed.
- On behalf of the city, ROWE attended an informal claim hearing for this project at the Davison TSC.

SAW Grant Application

- The city's application was delivered to the MDEQ on November 26th. The MDEQ has not issued any further information on the application review process, so it is still anticipated that an update will be released sometime in February.
- The MDEQ did release a full list of applications received and indicated they would be contacting communities if they had any questions on the applications. To date, the city has not received any requests for additional information.

Capital Improvement Plan Update

- The plan has been updated and approved by the Planning Commission.
- Copies of the plan for review and approval by council have been provided under a separate memo.

Other Updates:

Main/Flint Intersection:

- We have no new information at this time.

OPEN ISSUES LOG
JANUARY 2014

CITY MANAGER

Date	Issue	Action Taken	Priority	Expected Committee Completion Date
1/15/2014	Bitwise			
1/15/2014	DCER Contract			

PERSONNEL COMMITTEE

(Tim Bishop, Joan Snyder & Ron Emery)

Date	Issue	Action Taken	Priority	Expected Committee Completion Date
1/27/2014	Hiring of New Police Chief		1	

POLICY COMMITTEE

(Paul Hammond, Gary Peppin & Jack Abernathy)

Date	Issue	Action Taken	Priority	Expected Committee Completion Date
1/9/2013	Sidewalk Contruction & Maintenance	On hold	2	April, 2014
2/13/2013	Dumpster Ordinance Revision	Criteria given to Planning Commission Chairman 2/13/13	1	2013
3/5/2013	Ordinance Review	Requested Ordinance review procedure was adopted by Council on 2/25/2013	1	2013
2/13/2013	Council Rules & Procedures	In Progress	1	2013
3/25/2013	Purchasing Ordinance	In Progress	1	2013
5/22/2013	Animal Ordinance	In Progress	1	2013
8/14/2013	Fireworks Ordinance Review	In Progress		

FINANCE COMMITTEE

(Gary Peppin, Pat Stetson & Jack Abernathy)

Date	Issue	Action Taken	Priority	Expected Committee Completion Date

Ordinance No. 2014-02
CHAPTER 1048
Water and Sewer Rates

1048.01	Definitions.	1048.08	Fees for joining existing water system.
1048.02	Basis of charges.	1048.09	Fees for joining existing sanitary sewerage system.
1048.03	Water rates.	1048.10	Fees for customers outside City.
1048.04	Sewer rates.	1048.11	Unit factors. (Repealed)
1048.05	Billing.	1048.12	Application of fees.
1048.06	Collection of unpaid bills; discontinuance of service; restoration fee.	1048.99	Penalty.
1048.07	Payment of connection fees prior to issuance of building permits.		

CROSS REFERENCES

Collection of unpaid utility bills - see S.U. & P.S. 1049.01
Tampering with and theft of utilities - see GEN. OFF. 662.08
Stagnant waters - see GEN. OFF. 674.08
Water pollution - see GEN. OFF. 674.09; S.U. & P.S. Ch. 1044
Unlawful discharges into sewers, drains, basins, etc. - see GEN. OFF. 674.10
Water meters - see S.U. & P.S. 1040.11 et seq.

1048.01 DEFINITIONS.

As used in this chapter:

(a) "DPW" means the Department of Public Works.
(b) "Manager" means the City Manager.
(c) "Person" means any individual, firm, association, public or private corporation or public agency or instrumentality.
(d) "Premises" means each lot or parcel of land, building or premises having any connection to the water disposal system or the sewage disposal system of the City.

1048.02 BASIS OF CHARGES.

All water service shall be charged for on the basis of water consumed as determined by the meter installed in the premises of water or sewage disposal service customers by the Department of Public Works (DPW). All sewage disposal service and water service shall be charged for on the basis of water registered on a meter, access to which will be governed by the provisions and subject to penalties of Section 1040.21. No free water service or sewage disposal service shall be furnished to any person. (Ord. 2011-04. Passed 6-13-11.)

1048.03 WATER RATES.

(a) Computation. Except as otherwise provided herein, all water furnished by the system shall be measured by a meter installed and controlled by the City. Metered water charges shall be the sum of a base charge plus a usage charge. For an irrigation meter, see Section 1048.07.

(1) Base charge. The base charge shall always be computed based on the basis of meter size to be set by resolution of the City Council and amended from time to time.

(2) Usage charge. The usage charge, which shall be based on water consumption per quarter, shall be in an amount to be set by resolution of the City Council and amended from time to time.

(3) Capital Improvement Charge. A capital improvement charge per meter per quarter as set forth in the City's fee schedule as incorporated within the base charge, as amended from time to time by resolution of Council, shall be utilized for various water capital improvements in the City. This charge shall apply regardless of whether or not the water to a connection has been turned off by the City for any period.
(Ord. 91-3. Passed 6-10-91; Ord. 2011-04. Passed 6-13-11.)

(b) Customers outside City. Unless otherwise provided by contract, customers outside the City shall pay charges of 150% of the amounts set forth in divisions (a) (1), (a) (2), and (a) (3) of this section.
(Adopting Ordinance; Ord. 91-2. Passed 6-10-91; Ord. 2011-04. Passed 6-13-11.)

(c) City Use. The City shall generally pay for all water used by it or any of its departments at the rates set forth in divisions (a) (1), (a) (2), and (a) (3) of this section.

(d) Fire Protection.

(1) Hydrant rental by City. For each fire hydrant within a public street right-of-way or on City-owned property, the City shall pay out of its appropriated funds per the schedule of fees.

(2) Hydrant rental by person(s) (inside City). For a fire hydrant in the City not located as set forth in division (d) (1) of this section, the owner of the property on which it is located shall pay a fee, as set forth in the City's fee schedule for such fire hydrant unless the water line to such fire hydrant is metered so the property owner or responsible person as approved by the City will be billed for all water drawn from such fire hydrant. In the latter case, the property owner shall pay a fee, as set forth in the City's fee schedule for such metered fire hydrant.

(3) Hydrant rental by person(s) (outside City). For each fire hydrant outside the City which as connected to the City water supply system, the property owner or responsible person as approved by the City of the property on which it is located or governmental unit, as applicable, shall be charged

150% of the appropriate fee prescribed in division (d) (1) of this section, unless otherwise provided in an existing contract.

(4) Fire suppression system (inside City). For each fire suppression system which is connected to the City water system without first passing through a meter, the owner of the property on which it is located shall be charged a fee, as set forth in the City's fee schedule.

(5) Fire suppression system (outside City). For each fire suppression system outside the City which is connected to the City water supply system, the property owner or governmental unit, as applicable, shall be charged a fee, as set forth in the City's fee schedule.

(e) Other Uses. For any water furnished otherwise than through meters or as provided herein, Council shall fix a reasonable rate based on the number of connections, factors or any other special consideration. The filling of mobile tanks from fire hydrants, for any purpose, shall be charged a fee, as set forth in the City's fee schedule.

(f) Connections. No connection shall be made to the City water supply system unless it is first authorized by the proper City authorities and unless the connection and base fees prescribed in this chapter are first paid. If an authorized connection is made, such connection shall be inspected as provided in this chapter and all fees and charges will be at a rate of 200% of all those provided in this chapter.

(g) Deposit. A deposit shall be required of all water system customers who are not property owners at the time the water is ordered turned on. Such deposit, which shall serve as security for the payment of water and sewer charges due the City under this chapter, shall be refunded upon payment of the final bill and shall be as provided for in the City's fee schedule, as amended from time to time by resolution of Council. (Adopting Ordinance; Ord. 95-5. Passed 7-10-95; Ord. 96-6. Passed 7-22-96; Ord. 2002-07. Passed 12-9-02; Ord. 2011-04. Passed 6-13-11.)

1048.04 SEWER RATES.

(a) Computation. Except as otherwise provided in this section, the charge for all sewage disposal services furnished by the sewage disposal system shall be computed on the basis of the sum of a base charge plus a treatment charge based upon usage as set forth in this section. The total sewer charges shall be the sum of the following separate charges:

(1) Base collection charge. To cover the cost of collection of sewage through the City system, a charge based on water meter size as set forth in the City's fee schedule, as amended from time to time by resolution of Council. (Ord. 87-8.Passed 6-29-87.)

(2) Treatment charge. A treatment charge, to cover the actual cost of treatment based upon usage and other necessary charges, shall be in an amount set forth in the City's fee schedule, as amended from time to time by resolution of Council.
(Ord. 85-4. Passed 6-24-85; Ord. 86-1. Passed 5-12-86; Ord. 87-7. Passed 6-29-87; Ord. 93-4. Passed 7-26-93.)

(3) Capital Improvement Charge. A capital improvement charge per meter per quarter as set forth in the City's fee schedule as incorporated within the base and usage charges, as amended from time to time by resolution of Council, shall be utilized for various sewer capital improvements in the City. This charge shall apply regardless of whether or not the water to a connection has been turned off by the City for any period.
(Ord. 91-4. Passed 6-10-91; Ord. 95-5. Passed 7-10-95.)

(b) Customers Outside City. Unless otherwise provided for by contract, customers outside the City shall pay 150% of the amounts set forth in subsection (a) hereof.

(c) City Use. The City shall generally pay for all sewage disposal services used by it or any of its departments at the rates set forth in divisions (a) (1), (a) (2), and (a) (3) of this section.

(d) Connections. No connection shall be made to the sewage disposal system unless it is first authorized by the proper City authorities and unless the connection and base fees prescribed in this chapter are first paid. If an unauthorized connection is made, such connection shall be inspected as provided in this chapter and all fees and charges will be at a rate of 200% of all those provided in this chapter.

(e) Deposit. A deposit, as set forth in Section 1048.03(g), shall serve as security for the payment of sewer charges due the City.
(Ord. 2011-04. Passed 6-13-11.)

1048.05 BILLING.

Charges for water and sewage disposal service shall be collected quarterly. All water customers shall receive a quarterly bill, including all charges incurred in that quarter. At the City's discretion, a regular or pro-active payment plan could be offered. If a bill is not paid by the fifth day of the month following the billing cycle, a 10% penalty shall be added thereto as an additional charge for that quarter's bill. If there are previous quarterly bills

yet unpaid, this new billing, plus the 10% penalty for that quarter will be added to the prior bill and constitute the total arrearage.
(Ord. 84-7. Passed 9-24-84; Ord. 2003-25. Passed 3-24-03; Ord. 2011-04. Passed 6-13-11.)

1048.06 COLLECTION OF UNPAID BILLS; DISCONTINUANCE OF SERVICE; RESTORATION FEE.

Charges for water and/or sewage disposal services, including any penalty related thereto, shall constitute a lien on the property served and, if not paid within six months, shall be placed on the next general tax roll and collected as a part of the general City taxes. The City may shut off and discontinue the supply of water to any property for nonpayment, when due, of water and/or sewage disposal charges. A fee, as set forth in the City's fee schedule, as amended from time to time by resolution of Council, shall be paid prior to turning on the water to such property.
(Adopting Ordinance; Ord. 95-5. Passed 7-10-95; Ord. 2011-04. Passed 6-13-11.)

1048.07 PAYMENT OF CONNECTION FEES PRIOR TO ISSUANCE OF BUILDING PERMITS.

The following fees shall be paid to the City Clerk at the time an application is made for, and prior to the issuance of, a building permit for construction on any premises:

(a) Water Connections.

(1) Service connections. For the installation of service connections from the water main to the property line, the actual cost of labor (or contract labor), materials and equipment shall be charged at their respective standard rates, which rates shall be computed to include overhead, all employee costs and equipment charges as applicable. When a subdivider or land developer installs the service connection, which shall be in accordance with these Codified Ordinances, then an inspection fee shall be charged. If defects require correction, an additional inspection fee shall be charged for each inspection.

(2) Water meters. For furnishing and installing a water meter, the full actual costs, plus a fee, shall be charged. An outside meter shall be required for all buildings hereafter connected and may be required for other connections at the discretion of the City Manager. A second meter may be purchased through Council resolution and the related fee schedule. For irrigation purposes, a second water meter may be purchased and charged as set forth in the City's fee schedule, as amended from time to time by resolution of Council.

(3) Deposits. A deposit shall be paid and the unexpended balance returned upon completion of the work.

(4) Fees, charges and deposits. The fees, charges and deposits provided for in paragraphs (a)(1) to (3) hereof shall be as set forth in the City's fee schedule, as amended from time to time by resolution of Council.

(b) Sanitary Sewer Connections.

(1) Sewer connections. For providing a connection for the building sewer from the property line to the public sanitary sewer trunk or lateral, the actual cost of labor (or contract labor), materials and equipment shall be charged at their respective standard rates, which rates shall be computed to include overhead, all employee costs and charges as applicable. When a subdivider or land developer installs such sewer connection, which shall be in accordance with these Codified Ordinances, then an inspection fee shall be charged. If defects require correction, an additional inspection fee shall be charged for each inspection.

(2) Deposits. A deposit shall be paid and the unexpended balance returned upon completion of the work.

(3) Fees and deposits. The fees and deposits provided for in paragraphs (b)(1) and (2) hereof shall be as set forth in the City's user fee schedule, as amended from time to time by resolution of Council.

(Adopting Ordinance; Ord. 95-5. Passed 7-10-95; Ord. 2011-04. Passed 6-13-11.)

1048.08 FEES FOR JOINING EXISTING WATER SYSTEM.

As consideration for joining an existing water system, a fee shall be assessed as follows:

(a) If a water user is connected directly to a water main which has been installed at the expense of the owner or by special assessment, or at the expense of a subdivider or developer and not at the expense of the City, the fee for each user shall be as set forth in the City's fee schedule, as amended from time to time by resolution of Council. Each connection shall be charged on the basis of meter size. Each water service shall constitute a separate connection.

(b) In all other cases, the fee shall be as set forth in the City's fee schedule, as amended from time to time by resolution of Council. Each connection shall be charged based on meter size. Each water service shall constitute a separate connection.

(Ord. 77-1. Passed 3-14-77; Ord. 95-5. Passed 7-10-95; Ord. 2011-04. Passed 6-13-11.)

1048.09 FEES FOR JOINING EXISTING SANITARY SEWERAGE SYSTEM.

As consideration for joining an existing sanitary sewerage system, a fee, shall be assessed as follows:

(a) If a sanitary sever user is connected directly to a sanitary sewer which has been installed at the expense of the owner or by special assessment, or at the expense of a subdivider or developer and not at the expense of the City, the fee for each user shall be as set forth in the City's fee schedule, as amended from time to time by resolution of Council. Each connection shall be charged on the basis of meter size. Each sewer service shall constitute a separate connection.

(b) In all other cases the fee shall be as set forth in the City's fee schedule, as amended from time to time by resolution of Council. Each connection shall be charged on the basis of meter size. Each sewer service shall constitute a separate connection.
(Ord. 77-1. Passed 3-14-77; Ord. 95-5. Passed 7-10-95; Ord. 2011-04. Passed 6-13-11.)

1048.10 FEES FOR CUSTOMERS OUTSIDE CITY.

(a) Connection Fees. Unless otherwise provided for by contract, a customer outside the City shall pay a connection fee of 200 percent of the amount set forth in Section 1048.07(a) for a water connection and 200 percent of the amount set forth in Section 1048.07(b) for a sanitary sewer connection, as applicable.

(b) Base Fees. Unless otherwise provided for by contract, a customer outside the City shall pay a base fee of 300 percent of the amount set forth in Section 1048.08 for a water connection and Section 1048.09 for a sanitary sewer connection, as applicable.

(c) Payments. All fees for a customer outside the City shall become payable at the time the connection is authorized by Council and shall be paid prior to the making of such connection. Payments shall be made to the City Clerk in the manner provided for in this chapter. The City Clerk shall provide a receipt for such payments. Such receipt shall serve as a connection permit. No payment shall be accepted and no receipt therefor shall be given, unless the connection has first been authorized by a majority vote of Council.
(Ord. 2011-04. Passed 6-13-11.)

1048.11 UNIT FACTORS. (REPEALED)

(EDITOR'S NOTE: Section 1048.11 was repealed by Ordinance 2011-04, passed June 13, 2011.)

1048.12 APPLICATION OF FEES.

(a) Water and Sanitary Sewer Connection Fees. All connection fees are designed to cover the cost of the service rendered. Such connection fees shall be considered a regular part of the income of the water system or the sanitary sewerage system, as the case may be.

(b) Water and Sanitary Sewer Base & Usage Fees. All base & usage fees are designed to place the new customer of the system at approximate par with existing customers, relative to the investment made. A portion of the base fees with some usage fees as required are set aside specifically for water and sewer capital improvements.
(Ord. 2011-04. Passed 6-13-11.)

1048.99 PENALTY.

(EDITOR'S NOTE: See Section 202.99 for general Code penalty if no specific penalty is provided.)

CERTIFICATION

This ordinance shall be published in the same manner as other ordinances of the City of Davison, Pursuant to State Law MCL117.3 (k). No other publication of the Codified Ordinances, hereby approved, adopted, and enacted is necessary.

This ordinance shall take effect ten (10) days after publication in accordance with the City of Davison Charter.

Adopted this 10th day of March, 2014, by the City Council of the City of Davison.

_____

Tim Bishop, Mayor

_____

Andrea L. Schroeder, City Clerk

I certify that the above ordinance was published in the Davison Index on the 13th day of March, 2014, A.D.

_____

Andrea L. Schroeder, City Clerk

Publish in the Davison Index 03/13/14.

CITY OF DAVISON
STORM WATER ORDINANCE
CITY OF DAVISON, CITY COUNCIL
GENESEE COUNTY, MICHIGAN

ORDINANCE NO. 2014-03

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OPENING STATEMENT

AN ORDINANCE TO AMEND THE CODE OF ORDINANCES, FOR THE CITY OF DAVISON, MICHIGAN, BY ADDING A NEW ARTICLE **(ADD YOUR NUMBER)** TO CHAPTER **(ADD YOUR NUMBER)** TO REGULATE STORM WATER CONTROL; TO PROVIDE FOR STORM WATER PERMITS AND FOR PAYMENT OR REIMBURSEMENT OF COSTS INCURRED BY THE MUNICIPALITY DUE TO STORM WATER PERMITS; AND TO PROVIDE PENALTIES FOR VIOLATIONS.

THE CITY OF DAVISON ORDAINS:

Section 1. Amendment. Chapter (ADD YOUR NUMBER) of the Code of Ordinances of the City of Davison, Michigan is amended by adding Article (ADD YOUR NUMBER) to read as follows:

Article I. Storm Water

Section 1.01 Title

This ordinance shall be known as the CITY OF DAVISON Storm-water Management Ordinance" and may be so cited.

Section 1.02 Findings

The CITY OF DAVISON finds that:

(a) Water bodies, roadways, structures, and other property within, and downstream of the CITY OF DAVISON are at times subjected to flooding;

(b) Flooding is a danger to the lives and property of the public and is also a danger to the natural resources of the CITY OF DAVISON and the region;

(c) Land development alters the hydrologic response of watersheds, resulting in increased storm water runoff rates and volumes, increased flooding, increased stream channel erosion, and increased sediment transport and deposition;

(d) Storm water runoff produced by land development contributes to increased quantities of water-borne pollutants;

(e) Increases of storm water runoff, soil erosion, and non-point source pollution have occurred as a result of land development, and cause deterioration of the water resources of the CITY OF DAVISON and downstream municipalities;

(f) Storm water runoff, soil erosion, and non-point source pollution, due to land development within the CITY OF DAVISON, have resulted in a deterioration of the water resources of the CITY OF DAVISON and downstream municipalities;

(g) Increased storm water runoff rates and volumes, and the sediments and pollutants associated with storm water runoff from future development projects within the CITY OF DAVISON will, absent reasonable

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regulation and control, adversely affect the CITY OF DAVISON's water bodies and water resources, and those of downstream municipalities;

(h) Storm water runoff, soil erosion, and non-point source pollution can be controlled and minimized by the regulation of storm water runoff from development;

(i) Adopting the standards, criteria and procedures contained in this ordinance and implementing the same will address many of the deleterious effects of storm water runoff;

(j) Adopting these standards is necessary for the preservation of the public health, safety and welfare.

Section 1.03 Purpose

It is the purpose of this ordinance to establish minimum storm water management requirements and controls to accomplish, among others, the following objectives:

(a) To reduce artificially induced flood damage;

(b) To minimize increased storm water runoff rates and volumes from identified new land development;

(c) To minimize the deterioration of existing watercourses, culverts and bridges, and other structures;

(d) To encourage water recharge into the ground where geologically favorable conditions exist;

(e) To prevent an increase in non-point source pollution;

(f) To maintain the integrity of stream channels for their biological functions, as well as for drainage and other purposes;

(g) To minimize the impact of development upon stream bank and streambed stability;

(h) To reduce erosion from development or construction projects;

(i) To preserve and protect water supply facilities and water resources by means of controlling increased flood discharges, stream erosion, and runoff pollution; and,

(j) To reduce storm water runoff rates and volumes, soil erosion, and non-point source pollution, wherever practicable, from lands that were developed without storm water management controls meeting the purposes and standards of this ordinance.

(k) To reduce the adverse impact of changing land use on water bodies and, to that end, this ordinance establishes minimum standards to protect water bodies from degradation resulting from changing land use where there are insufficient storm water management controls.

Section 1.04 Applicability, Exemptions and General Provisions

(1) To prevent an increase in non-point source pollution; this ordinance shall apply to any earth-disturbing activities greater than or equal to 1-acre (≥1 ac.) for new development or redevelopment projects or earth disturbing activities less than 1-

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acre on parcels with greater than or equal to 50% (≥ 50%) impervious surface which will alter storm water drainage characteristics of the development site. Typically these developments require approval of a plat, a site development plan, building permit, and other permits to be obtained. However, this ordinance shall not apply to the following:

(a) Development on one single-family lot, parcel, or condominium unit where the CITY OF DAVISON determines that due to the size of the development site or other circumstances, the quantity, quality, and or rate of storm-water flow does not materially alter storm water flow from the property in terms of rate and/or volume.

(b) The installation or removal of individual mobile homes within a mobile home park. This exemption shall not be construed to apply to the construction, expansion, or modification of a mobile home park.

(c) Ongoing farm operations such as tilling or plowing. Earth disturbances that are not directly related to farming are not exempt from this ordinance.

(d) Plats with preliminary plat approval and other developments with final land use approval prior to the effective date of this ordinance, where such approvals remain in effect.

Section 1.05 Definitions

For the purpose of this ordinance, the following words and phrases shall have the meanings respectively ascribed to them by this Section unless the context in which they are used specifically indicates otherwise:

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(a) Best Management Practices (BMPs) - A practice, or combination of practices and design criteria that comply with the Michigan Department of Natural Resources and Environment's Guidebook of BMPs for Michigan Watersheds, the Low Impact Development Manual for Michigan, or equivalent practices and design criteria that accomplish the purposes of this ordinance (including, but not limited to minimizing storm water runoff and preventing the discharge of pollutants into storm water) as determined by the Municipality Engineer, and, where appropriate, the standards of the Genesee County Drain Commissioner.

(b) Building Opening - Any opening of a solid wall such as a window or door, through which floodwaters could penetrate.

(c) Construction Site Storm Water Runoff - Storm water runoff from a development site following an earth change.

(d) Detention - A system which is designed to capture storm water and release it over a given period of time through an outlet structure at a controlled rate.

(e) Developed or Development - The installation or construction of impervious surfaces on a development site that require, pursuant to state law or local ordinance, the Municipality/Township 's approval of a site plan, plat, site condominium, special land use, planned unit development, rezoning of land, land division approval, private road approval or other approvals required for the development of land or the erection of

buildings or structures; provided, however, that for purposes of Article II only, developed or development shall not include the actual construction of, or an addition, extension or modification to, an individual single-family or a two-family detached dwelling or appurtenances to the same, if the Municipality Manager finds that such construction, addition, extension or modification will not result in adverse storm water runoff. In making his written finding, the Municipality Manager may consult with the Zoning Administrator, planning committee, the code enforcement official and/or the Municipality engineer.

(f) Developer - Any person proposing or implementing the development of land. Developer can also be interpreted to include their designated design representative (e.g. architects and engineers).

(g) Development Site - Any land that is being or has been developed, or that a developer proposes for development.

(h) Discharger - Any person or entity who directly or indirectly discharges storm water from any property. Discharger also means any employee, officer, director, partner, contractor, or other person who participates in, or is legally or factually responsible for, any act or omission which is or results in a violation of this ordinance.

(i) Drain - Any drain as defined in the Drain Code of 1956, as amended, being MCL 280.1, et. seq., other than an established county or inter-county drain.

(j) Drainage - The collection, conveyance, or discharge of ground water and/or surface water.

(k) Drainage-way - The area within which surface water or ground water is carried from one part of a lot or parcel to another part of the lot or parcel or to adjacent land.

(l) Earth Change - Any human activity which removes ground cover, changes the slope or contours of the land, or exposes the soil surface to the actions of wind and rain. Earth change includes, but is not limited to, any excavating, surface grading, filling, landscaping, or removal of vegetative roots.

(m) EPA - The United States Environmental Protection Agency.

(n) Erosion - The process by which the ground surface is worn away by action of wind, water, gravity or a combination thereof.

(o) Exempted Discharges - Discharges other than storm water as specified in Section 1.04 and 4.02 of this ordinance.

(p) Flood or Flooding - A general and temporary condition of partial or complete inundation of normally dry land areas resulting from the overflow of water bodies or the unusual and rapid accumulation of surface water runoff from any source.

(q) Floodplain - Any land area subject to periodic flooding ($\geq$ 2 square miles

(r) Flood Protection Elevation (FPE) - The Base Flood Elevation plus one (1) foot at any given location.

(s) Grading - Any stripping, excavating, filling, and stockpiling of soil or any combination thereof and the land in its excavated or filled condition.

(t) Hazardous or Toxic Material – OSHA defines hazardous and toxic substances as those chemicals which are capable of causing harm. In this definition, the term chemical includes dusts, mixtures, and common materials such as paints, fuels, and solvents. OSHA currently regulates exposure to approximately 400 substances and the OSHA Chemical Sampling Information file contains listings for approximately 1500 substances. Some industrial libraries maintain files of material safety data sheets (MSDS) for more than 100,000 substances.

(u) Illicit Connection - Any method or means for conveying an illicit discharge into water bodies or the Municipality's storm-water system.

(v) Illicit Discharge - Any discharge to water bodies that does not consist entirely of storm water, discharges pursuant to the terms of an NPDES permit, or exempted discharges as defined in this ordinance.

(w) Impervious Surface - Surface that does not allow storm water runoff to slowly percolate into the ground.

(x) Improvements - Means those features and actions associated with a project that are considered necessary by the body or official granting zoning approval to protect natural resources or the health, safety, and welfare of the residents of a local unit of government and future users or inhabitants of the proposed project or project area, including roadways, lighting, utilities, sidewalks, screening, and drainage. Improvements do not include the entire project that is the subject of zoning approval.

(y) MS4 – Municipal Separate Storm Water Sewer System

(z) MDNRE - Michigan Department of Natural Resources and Environment.

(aa) Municipality - County, City, Village, or Township or their designated representative.

(bb) NPDES - National Pollution Discharge Elimination System.

(cc) Person - An individual, firm, partnership, association, public or private corporation, public agency, instrumentality, or any other legal entity.

(dd) Planning board/commission - Means a county planning commission created under the Michigan Zoning Enabling Act, 2006 PA 110, MCL 125.3101 et. seq.

(ee) Pollutant - A substance discharged which includes, but is not limited to the following: any dredged spoil, solid waste, vehicle fluids, yard wastes, animal wastes, agricultural waste products, sediment, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological wastes, radioactive materials, heat, wrecked or discharged equipment, rock, sand, cellar dirt, and industrial, municipal, commercial and agricultural waste, or any other contaminant or other substance defined as a pollutant under the Clean Water Act.

(ff) Property Owner - Any person having legal or equitable title to property or any person having or exercising care, custody, or control over any property.

(gg) Retention - A system which is designed to capture storm water and contain it until it infiltrates the soil or evaporates.

(hh) Runoff - means the water flow that occurs when soil is infiltrated to full capacity and excess water from rain, snowmelt, or other sources flows over the land.

(ii) Sensitive Areas – Inland lakes, watercourses and wetlands (≥ 5 ac as specified by MDNRE unless a stricter local requirement is specified)

(jj) Site plan – means a plat, a site development plan, construction drawings, a building permit, and any other permits that need to be obtained before development can occur. These documents and drawings, required by the zoning ordinance, are to insure that a proposed land use or activity is in compliance with local ordinances and state and federal statutes.

(kk) Soil Erosion - The stripping of soil and weathered rock from land creating sediment for transportation by water, wind or ice, and enabling formation of new sedimentary deposits.

(ll) State of Michigan Water Quality Standards - All applicable State rules, regulations, and laws pertaining to water quality, including the provisions of Section 3106 of Part 31 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

(mm) Storm Drain - A system of open or enclosed conduits and appurtenant structures intended to convey or manage storm water runoff, ground water and drainage.

(nn) Storm Water Permit - A permit issued pursuant to this ordinance.

(oo) Storm Water Plan - Written narratives, specifications, drawings, sketches, written standards, operating procedures, or any combination of these which contain information pursuant to this ordinance.

(pp) Storm Water Runoff Facility - The method, structure, area, system, or other equipment or measures which are designed to receive, control, store, or convey storm water as well as treat it for pollutants.

(qq) Stream - A river, stream or creek which may or may not be serving as a drain, or any other water body that has definite banks, a bed, and visible evidence of a continued flow or continued occurrence of water.

(rr) Surface waters of the state: Are defined consistent with the Part 4 Rules (Rules 323.1041 through 323.1117 of the Michigan Administrative Code) to mean all of the following, but not including drainage ways and ponds (detention and retention ponds or lagoons) used solely for wastewater conveyance, treatment, or control:

- The Great Lakes and their connecting waters
- All inland lakes
- Rivers
- Streams

- Impoundments
- Open drains
- Other surface bodies of water within the confines of the state

(ss) Water-body - A river, lake, stream, creek or other watercourse or wetlands.

(tt) Watercourse – One that has not been altered artificially.

(uu) Wetlands (regulated) - Land characterized by the presence of water at a frequency and duration sufficient to support wetland vegetation or aquatic life.

Article II. Storm Water Permits

Section 2.01 Storm Water Standards

Developments subject to this ordinance shall require a storm water permit and a storm water plan, and shall be designed, constructed, and maintained to prevent flooding, minimize stream channel impacts, protect water quality, and achieve the purposes of this Ordinance, as stated above. CITY OF DAVISON has adopted the *Genesee County Storm Water and Flood Control Design Standard Requirements* to meet the objectives of managing the quantity and quality of storm water runoff from a site as its municipality engineering standards.

Section 2.02 Storm Water Permit Review Procedures

CITY OF DAVISON shall grant a storm water permit, which may impose terms and conditions in accordance with Section 2.08, and which shall be granted only upon compliance with each of the following requirements:

(1) The developer will engage in the following sequence of events:

(a) **Pre-Development Information Gathering:** For all applicable projects, developers will contact representatives from each of the following: the County Road Commission, Health Department, municipal officials (zoning, planner, engineer, DPW, building official), and Drain Commissioner's office (Water and Waste Services and Surface Water). The purpose will be to gather information on design standards, development guidelines, and to identify the type of information developers and their representatives must furnish to comply with this ordinance. In some instances it may be expedient to hold one conference with all the involved parties.

(b) **Development and Review of Conceptual Site Plan:** Review of the conceptual site plan for approval at the County level by the appropriate personnel in Water & Waste Services, soil erosion, surface water, the Road Commission and the Health Department. Comments are returned to the owner/client and designer. At this time the design engineer will submit a statement that this site has been reviewed and determined sufficient to accommodate soil erosion and soil conservation measures.

(c) **Coordinated Review and Approval:** Review of the Storm Water Plan and the proposed BMPs will occur at the same time as the review of the site plan by representatives from the appropriate agencies.

(d) **Municipal Review and Approval:** Developers shall provide a storm water plan for post-construction management of storm water to the Municipality

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for review and approval. Guidance will be provided to zoning administrators and local planning commission members on the ordinance and design standards and they will be provided with a checklist for reference during site plan review. At this stage all necessary permits should have been applied for from Federal, State, and County agencies. Once all of the above documents have been obtained a building permit will be issued by the municipality.

(2) The developer has submitted a storm water plan complying with Section 2.03.

(3) The storm water plans contain adequate storm water BMPs to address the requirements laid out in the Genesee County Storm Water Standards & Requirements (GCSWS&R). At a minimum the developer will have to satisfy one of the following conditions:

(a) A permanent on-site storm water system that includes on-site detention of storm water runoff (see *Genesee County Storm Water and Flood Control Design Standard Requirements* for requirements) , and

(b) A direct connection for all storm water runoff that will be discharged from and through the development site (see GCSWS&R /BMP Requirement Manual for requirements); or

(c) The developer provides a permanent on-site storm water system with a restricted outlet designed to result in no net increase in storm water runoff volume or rate onto any adjacent property. (see GCSWS&R /BMP Requirement Manual for requirements).

(4) The developer has paid or deposited the storm water permit review fee pursuant to Section 2.04.

(5) The developer has paid or posted the applicable financial guarantee pursuant to Section 2.05.

(6) The developer provides all easements necessary to implement the approved storm water plan and to otherwise comply with this Ordinance including, but not limited to, Section 7.02. All easements shall be acceptable to the Municipality in form and substance and shall be recorded with the Genesee County Register of Deeds.

(7) The storm water plan is designed in conformity with the Municipality's design and performance standards for drains and storm water management systems, as set forth in Article VIII.

(8) All storm water runoff facilities shall be designed in accordance with the then-current BMPs.

(9) The developer provides the required maintenance agreement for routine, emergency, and long-term maintenance of all storm water runoff facilities and in compliance with the approved storm water plan and this Ordinance. The maintenance agreement shall be acceptable to the CITY OF DAVISON in form and substance and at minimum contain the requirements outlined in Article VII.

Section 2.03 Storm Water Plan

The Storm Water Management Plan must be designed to meet the Genesee County Storm Water Standards as set out in the companion document to the Low Impact Development Manual for Michigan. The County is authorized to establish minimum design standards for storm water

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discharge release rates and to require dischargers to implement on-site retention, detention or other methods necessary to control the quality, rate and volume of surface water runoff discharged into the storm water drainage system and surface waters of the state. The County water quality and quantity standards are to be achieved through the techniques and methodologies outlined in the Low Impact Development Manual for Michigan (Chapters 6, 7 and 9). The storm water plan shall identify and contain all of the following:

(1) The location of the development site and water bodies that will receive storm water runoff (National Wetland database). Information to consider and include where appropriate should be the drainage district ID, zoning, aerial imagery, soils and floodplain maps, traffic and utility information.

(2) The existing and proposed natural feature of the development site, including the vegetation, topography, and alignment and boundary of the natural drainage courses, with contours having a maximum interval of two (2) foot (using USGS datum). The information shall be superimposed on the pertinent Genesee County soil map.

(3) The development drainage area to each point of discharge from the development.

(4) Calculations for the existing and final peak discharge rates (Based on Design criteria).

(5) Calculations for any facility or structure size and configuration.

(6) A drawing showing all proposed storm water runoff facilities with existing and final grades, as well as storm water easements.

(7) The sizes and locations of upstream and downstream culverts serving the major drainage routes flowing into and out of the development site. Any significant off-site and on-site drainage outlet restrictions other than culverts should be noted on the drainage map.

(8) An implementation plan for construction and inspection of all storm water runoff facilities necessary to the overall storm water plan, including a schedule of the estimated dates of completing construction of the storm water runoff facilities shown on the plan and an identification of the proposed inspection procedures to ensure that the storm water runoff facilities are constructed in accordance with the approved storm water plan.

(9) Drawings, profiles, and specifications for the construction of the storm water runoff facilities (BMP) reasonably necessary to ensure that storm water runoff will be drained, stored, or otherwise controlled in accordance with this ordinance.

(10) A maintenance agreement, in form and substance acceptable to the municipality, for ensuring maintenance of any privately-owned storm water runoff facilities. The maintenance agreement shall include the Developer's written commitment to provide routine, emergency, and long-term maintenance of the facilities and, in the event that the facilities are not maintained in accordance with the approved storm water plan, the agreement shall authorize the Municipality to maintain any on-site storm water runoff facility as reasonably necessary, at the Developer's expense (see Article VII).

(11) The name of the engineering firm and the registered professional engineer that designed the storm water plan and that will inspect final construction of the storm water runoff facilities.

(12) All design information must be compatible for conversion to standard GIS shape files.

(13) Any other information necessary for the municipality to verify that the storm water plan complies with the Municipality's design and performance standards for drains and storm water management systems.

Section 2.04 Storm Water Permit Review Fees

(1) All expenses and costs incurred by the Municipality directly associated with processing, reviewing and approving or denying a storm water permit application shall be paid (or reimbursed) to the Municipality from the funds in a separate escrow account established by the Developer, as provided in subsection (2). The Municipality may draw funds from a Developer's escrow account to reimburse the Municipality for out-of-pocket expenses incurred by the Municipality relating to the application. Such reimbursable expenses include, but are not limited to, expenses related to the following:

(a) Services of the Municipality Attorney directly related to the application.

(b) Services of the Municipality Engineer directly related to the application including inspections fees.

(c) Services of other independent contractors working for the Municipality which are directly related to the application.

(d) Any additional public hearings, required mailings and legal notice requirements necessitated by the application.

(2) At the time a Developer applies for a storm water permit, the Developer shall deposit with the Municipality Clerk, as an escrow deposit, an initial amount as determined by resolution of the Municipality Council for such matters and shall provide additional amounts as requested by the Municipality in such increments as are specified in said resolution. Any excess funds remaining in the escrow account after the application has been fully processed, reviewed, and the final Municipality denial or approval and acceptance of the development has occurred will be refunded to the Developer with no interest to be paid on those funds. At no time prior to the Municipality's final decision on an application shall the balance in the escrow account fall below the required initial amount. If the funds in the account are reduced to less than the required initial amount, the Developer shall deposit into the account the additional amount needed to restore the account to the required amount before the application review process will be continued. Additional amounts may be required to be placed in the escrow account by the Developer, at the discretion of the Municipality.

Section 2.05 Financial Guarantee

(1) The Municipality Engineer shall not approve a storm water permit until the Developer submits to the Municipality, in a form and amount satisfactory to the Municipality, a letter of credit or other financial guarantee for the timely and satisfactory construction of all storm water runoff facilities and site grading in accordance with the approved storm water plan. Upon certification by a registered professional engineer that the storm water runoff facilities have been completed in accordance with the approved storm water plan including, but not limited to, the provisions contained in Section 2.03(8), the Municipality may

release the letter of credit, or other financial guarantee subject to final Municipality acceptance and approval.

(2) The letter of credit or other financial guarantee may be accessed when:

(a) violation of this ordinance has occurred as determined by the municipality,

(b) three notifications to the developer detailing the infraction have been issued,

(c) no corrective action has being taken by the developer within 30 days of final notification.

(3) Except as provided in subsection (5), the amount of the financial guarantee shall be as determined by the Municipality Council in a Resolution of Fees for Municipality Services, unless the Municipality determines that a greater amount is appropriate, in which case the basis for such determination shall be provided to the Developer in writing. In determining whether an amount greater than the amount established by Resolution of Municipality Council is appropriate, the Municipality shall consider the size and type of the development, the size and type of the on-site storm water system, and the nature of the off-site storm water runoff facilities the development will utilize.

(4) The letter of credit or other financial guarantee will not be permitted to expire until any necessary maintenance agreements for storm water facilities established by the developer has been signed.

(5) A maintenance bond shall be provided to the appropriate agency. The maintenance bond shall be provided for a period of two years commencing from the date of the final approval of the storm water plan.

(6) The Municipality Manager may reduce or waive the amount of the financial guarantee for a development that will not increase the percentage of impervious surface of the development site by more than ten percent (10%).

(7) This ordinance shall not be construed or interpreted as relieving a developer of its obligation to pay all costs associated with on-site private storm water runoff facilities as well as those costs arising from the need to make other storm water improvements in order to reduce a development's impact on a drain consistent with adopted design standards.

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Section 2.06 Certificate of Occupancy

No certificate of occupancy shall be issued until storm water runoff facilities have been completed in accordance with the approved storm water plan; provided, however, the Municipality may issue a certificate of occupancy if an acceptable letter of credit or other financial guarantee has been submitted to the Municipality, for the timely and satisfactory construction of all storm water runoff facilities and site grading in accordance with the approved storm water plan.

Section 2.07 No Change in Approved Facilities

(1) Storm water runoff facilities, after construction and approval, shall be maintained in good condition, in accordance with the approved storm water plan, and shall not be subsequently altered, revised or replaced except in accordance with the approved storm water plan or in accordance with approved amendments or revisions in the plan.

(2) The municipality has the right to take corrective action if alterations to the approved storm water facilities occur and to seek compensation from the responsible party for all costs associated with the corrective action.

Section 2.08 Terms and Conditions of Permits

In granting a storm water permit, the Municipality may impose such terms and conditions as are reasonably necessary to implement the purposes of this ordinance. A Developer shall comply with such terms and conditions.

Article III. Storm Water System, Floodplain and Other Standards, Soil Erosion Control

Section 3.01 Management of and Responsibility for Storm Water System

The Municipality is not responsible for providing drainage facilities on private property for the management of storm water on said property. It shall be the responsibility of the property owner to provide for, and maintain, private storm water runoff facilities serving the property and to prevent or correct the accumulation of debris that interferes with the drainage function of a water body.

Section 3.02 Storm Water System

All storm water runoff facilities shall be constructed and maintained in accordance with all applicable federal, state and local ordinances, and rules and regulations.

Section 3.03 Floodplain and Sensitive Areas Standards

(1) All new buildings and substantial improvements to existing buildings shall be protected from flood damage up to the Flood Protection Elevation (FPE) and shall be in accordance with all applicable federal, state and local ordinances, and rules and regulations. Floodway alteration shall be permitted only upon review and approval by the Municipality, in accordance with an approved storm water plan.

(2) A storm water plan providing for the filling or alteration of a floodway may include provisions for maintaining stability of the banks of streams or other water bodies, by means of the establishing of buffer zones and other means of providing protection of the slopes and banks of water bodies.

(3) Within any required buffer zone, no earth change shall take place except in accordance with the approved storm water plan. Such a plan may also include provisions for the replacement of flood plain storage volume, where such storage volume is lost or diminished as a result of approved development.

(4) Where appropriate, permanent setbacks based on site slopes and soils will be established in accordance with the specifications outlined in the Genesee County Storm Water and Flood Control Design Standard Requirements.

Section 3.04 Building Openings

(1) No building openings, including basement walkouts, shall be constructed below the following elevations:

(a) One foot above the 100-year floodplain.

(b) The building opening established at the time of plat or development approval and on file in the Municipality Engineering Department.

(c) Three feet above the top of any downstream culvert.

(d) Four feet above the bottom of any permanent and defined drain.

(e) One foot above an adjacent detention basin design high water.

(2) A waiver from elevations stated in Section 3.06 may be granted by the Municipality Engineer following receipt of a certification from a registered professional engineer demonstrating that the proposed elevation does not pose a risk of flooding.

(3) Upon completion of construction of the structure's foundation and or slab on grade, a registered land surveyor shall certify any minimum building opening elevation specified by this ordinance. This certificate shall attest that the building opening elevation complies with the standards of this ordinance. The permittee for the building permit shall submit the certificate to the Municipality Building Inspections official prior to the commencement of framing and/or structural steel placement. If the surveyor should find that the minimum building opening elevation is below the elevation specified in Section 79.276(a)(2) or (3), that opening must be raised using a method that meets with the approval of the Municipality. After reconstruction, a registered land surveyor or engineer shall re-certify that the minimum building opening elevation complies with the standards of this ordinance prior to the commencement of framing and or structural steel placement.

Section 3.05 Sump Pump Discharge

(1) Any connection or discharge found of unpolluted water into the sanitary sewer system please refer to the City's Sewer Regulation 1044.004 DISCHARGE PROHIBITED WITHOUT REQUIRED APPROVALS PERMITS, AND TREATMENT (a & b)

(2) When a sump pump is employed to discharge a buildings footing drains a check valve will be installed between the pump and the storm system. A gravity discharge to an enclosed system is not permitted unless it can be shown that the discharge point is above the overflow elevation for the storm water system.

(3) A storm water lateral shall be provided for each parcel at the time of storm sewer construction. Laterals shall have a check valve.

Section 3.06 Public Health, Safety or Welfare

Protection of the public health, safety or welfare shall be a primary consideration in the design of all storm water runoff facilities.

Article IV. Prohibitions and Exemptions

Section 4.01 Illicit Discharges

(1) No person shall discharge to a water body, directly or indirectly, any substance other than storm water or an exempted discharge. Any person discharging storm water shall effectively prevent pollutants from being discharged with the storm water, except in accordance with best management practices.

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(2) The Municipality is authorized to require dischargers to implement pollution prevention measures, utilizing BMPs, necessary to prevent or reduce the discharge of pollutants into the Municipality's storm water drainage system or surface waters of the state. Discharges to storm drains and waters of the state other than storm water and the exempted discharges listed in Section 4.02 are strictly prohibited.

Section 4.02 Exempted Discharges

The following non-storm water discharges shall be permissible, provided that they do not result in a violation of State of Michigan water quality standards:

(a) Water supply line flushing

(b) Landscape irrigation

(c) Diverted stream flows

(d) Rising ground water

(e) Uncontaminated ground water infiltration to storm drains

(f) Uncontaminated pumped ground water

(g) Discharges from potable water sources

(h) Foundation drains

(i) Air conditioning condensate

(j) Individual residential car washing

(k) De-chlorinated swimming pool waters from single, two, or three family residences

(l) Residual street wash water

(m) Discharges or flows from emergency fire-fighting activities

(n) Discharges for which a specific federal or state permit has been issued.

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Section 4.03 Interference with Natural or Artificial Drainage-way

It shall be unlawful for any person to stop, fill, dam, confine, pave, alter the course of, or otherwise interfere with any natural or constructed drain or drainage way without first submitting a storm water plan to the local Municipality and all appropriate agencies (Municipality, State, Genesee County Drain Commissioner's office) and receiving approval of that plan. Any deviation from the approved plan is a violation of this ordinance. This section shall not prohibit, however, necessary emergency action so as to prevent or mitigate drainage that would be injurious to the environment, the public health, safety, or welfare.

Section 4.04 Storage of Hazardous or Toxic Materials in Drainage-way

Except as permitted by law, it shall be unlawful for any person to store or stockpile within a drainage way any hazardous or toxic materials unless adequate protection and/or containment has been provided so as to prevent any such materials from entering a waterway.

Article V. Inspection, Monitoring, Reporting, and Recordkeeping

Section 5.01 Investigate, Inspect, and Monitor suspected illicit discharges

To investigate potential illicit discharges or connections and to assure compliance with the standards set forth in this ordinance, the Municipality may investigate, inspect, obtain, and/or monitor any discharge. Upon request, the discharger shall allow the Municipality's properly identified representative to enter upon the premises of the discharger at all hours necessary for the purposes of such inspection or sampling. The Municipality shall provide the discharger reasonable advance notice of such inspection and/or sampling. The Municipality or its properly identified representative may place on the discharger's property the equipment or devices used for such sampling, monitoring or inspection.

Section 5.02 Storm Water Monitoring Facilities

The Municipality may require, in writing, that a discharger of storm water runoff provide and operate equipment or devices for the monitoring of storm water runoff, so as to provide for inspection, sampling, and flow measurement of each discharge to a water body or a storm water runoff facility. The Municipality may require a discharger to provide and operate such equipment and devices if it is necessary or appropriate for the inspection, sampling and flow measurement of discharges in order to determine whether adverse effects from or as a result of such discharges may occur. All such equipment and devices for the inspection, sampling and flow measurement of discharges shall be installed and maintained in accordance with applicable laws, ordinances and regulations. All monitoring results will be made available and reported to the Municipality at an agreed upon time.

Section 5.03 Accidental Discharges

(1) Any discharger who accidentally discharges into a MS4 or water of the state any substance other than storm water or an exempted discharge shall inform the Municipality within 24 hours of knowledge of the incident. If such information is given orally, a written report concerning the discharge shall be filed with the Municipality within five (5) days. The written report shall specify:

(a) The composition of the discharge and the cause thereof.

(b) The exact date, time, and estimated volume of the discharge.

(c) All measures taken to clean up the accidental discharge and all measures proposed to be taken to reduce and prevent any recurrence.

(d) The name and telephone number of the person making the report, and the name of a person who may be contacted for additional information on the matter.

(2) A properly-reported accidental discharge shall be an affirmative defense to a civil infraction proceeding brought under this ordinance against a discharger for such discharge. It shall not, however, be a defense to a legal action brought to obtain an injunction, to obtain recovery of costs or to obtain other relief as a result of or arising out of the discharge. A discharge shall be considered properly reported only if the discharger complies with all the requirements of Section 5.03(1).

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Section 5.04 Record Keeping Requirement

Any person subject to this ordinance shall retain and preserve for no less than three (3) years any and all books, drawings, plans, prints, documents, memoranda, reports, correspondence and records, including records on magnetic or electronic media and any and all summaries of such records, relating to monitoring, sampling and chemical analysis of any discharge or storm water runoff from any property.

Article VI. Enforcement

Section 6.01 Sanctions for Violation

(1) Any person violating any provision of this ordinance shall be responsible for a municipal civil infraction and subject to a fine to cover costs, damages, expenses, and other sanctions as authorized under Chapter 87 of the Revised Judicature Act of 1961 and other applicable laws, including, without limitation, equitable relief; provided, however, that the violation stated in Section 6.01(2) shall be a misdemeanor. Each day such violation occurs or continues shall be deemed a separate offense and shall make the violator liable for the imposition of a fine for each day. The rights and remedies provided for in this section are cumulative and in addition to any other remedies provided by law. An admission or determination of responsibility shall not exempt the offender from compliance with the requirements of this ordinance.

For purposes of this section, "subsequent offense" means a violation of the provisions of this ordinance committed by the same person within 12 months of a previous violation of the same provision of this ordinance for which said person admitted responsibility or was adjudicated to be responsible.

The Zoning Administrator, Code Enforcement Official, Building Inspector and police officers of the Municipality are authorized to issue municipal civil infraction citations to any person alleged to be violating any provision of this ordinance.

(2) Any person who neglects or fails to comply with a stop work order issued under Section 6.02 shall, upon conviction, be guilty of a misdemeanor, punishable by a fine of not more than $500 per violation per day or imprisonment in the county jail for not more than 93 days, or both such fine and imprisonment, and such person shall also pay such costs as may be imposed in the discretion of the court.

(3) Any person who aids or abets a person in a violation of this ordinance shall be subject to the sanctions provided in this section.

Section 6.02 Stop Work Order

Where there is work in progress that causes or constitutes in whole or in part, a violation of any provision of this ordinance, the Municipality is authorized to issue a Stop Work Order so as to prevent further or continuing violations or adverse effects. All persons to whom the stop work order is directed, or who are involved in any way with the work or matter described in the stop work order shall fully and promptly comply therewith. The Municipality may also undertake or cause to be undertaken, any necessary or advisable protective measures so as to prevent violations of this ordinance or to avoid or reduce the effects of noncompliance herewith. The cost of any such protective measures shall be the responsibility of the owner of the property upon which the work is being done and the responsibility of any person carrying out or participating in the work, and such cost shall be a lien upon the property.

Section 6.03 Failure to Comply; Completion

In addition to any other remedies, should any owner fail to comply with the provisions of this ordinance, the Municipality may, after the giving of reasonable notice and opportunity for compliance, have the necessary work done, and the owner shall be obligated to promptly reimburse the Municipality for all costs of such work.

Section 6.04 Emergency Measures

When emergency measures are necessary to moderate a nuisance, to protect public safety, health and welfare, and/or to prevent loss of life, injury or damage to property, the Municipality is authorized to carry out or arrange for all such emergency measures. Property owners shall be responsible for the cost of such measures made necessary as a result of a violation of this ordinance, and shall promptly reimburse the Municipality for all of such costs.

Section 6.05 Cost Recovery for Damage to Storm Drain System

A discharger shall be liable for all costs incurred by the Municipality as the result of causing a discharge that produces a deposit or obstruction, or causes damage to, or impairs a storm drain, or violates any of the provisions of this ordinance. Costs include, but are not limited to, those penalties levied by the Environmental Protection Agency or MDNRE for violation of a National Pollutant Discharge Elimination System permit, attorney fees, and other costs and expenses.

Section 6.06 Collection of Costs; Lien

Costs incurred by the Municipality pursuant to Sections 6.02, 6.03, 6.04 and 6.05 shall be a lien on the premises which shall be enforceable in accordance with Act No. 94 of the Public Acts of 1933, as amended from time to time. Any such charges which are delinquent for six (6) months or more may be certified annually to the Municipality Treasurer who shall enter the lien on the next tax roll against the premises and the costs shall be collected and the lien shall be enforced in the same manner as provided for in the collection of taxes assessed upon the roll and the enforcement of a lien for taxes. In addition to any other lawful enforcement methods, the Municipality shall have all remedies authorized by Act No. 94 of the Public Acts of 1933, as amended and any other remedies available under applicable law.

Section 6.07 Appeals

Any person as to whom any provision of this ordinance has been applied may appeal in writing, not later than 30 days after the action or decision being appealed from, to the Municipality Council the action or decision whereby any such provision was so applied. Such appeal shall identify the matter being appealed, and the basis for the appeal. The Municipality Council shall consider the appeal and make a decision whereby it affirms, rejects or modifies the action being appealed. In considering any such appeal, the Municipality Council may consider the recommendations of the Municipality Engineer and the comments of other persons having knowledge of the matter. In considering any such appeal, the Council may grant a variance from the terms of this ordinance so as to provide relief, in whole or in part, from the action being appealed, but only upon finding that the following requirements are satisfied:

(1) The application of the ordinance provisions being appealed will present or cause practical difficulties for a development or development site; provided, however, that practical difficulties shall not include the need for the developer to incur additional reasonable expenses in order to comply with the ordinance; and

(2) The granting of the relief requested will not substantially prevent the goals and purposes sought to be accomplished by this ordinance, nor result in less effective management of storm water runoff.

Article VII. Storm Water Easements and Maintenance Agreements

Section 7.01 Applicability of Requirements

The requirements of this Article concerning storm water easements and maintenance agreements shall apply to all persons required to submit a storm water and/or storm water plan to the Municipality for review and approval.

Section 7.02 Storm Water Management Easements

The Developer shall provide all storm water management easements necessary to implement the approved storm water plan and to otherwise comply with this ordinance in form and substance required by the Municipality and shall record such easements as directed by the Municipality. The easements shall assure access for proper inspection and maintenance of storm water runoff facilities and shall provide adequate emergency overland flow-ways.

Section 7.03 Maintenance Agreements

A. Purpose of Maintenance Agreement

The purpose of the maintenance agreement is to provide the means and assurance that maintenance of storm-water BMPs shall be undertaken.

B. Maintenance Agreement Required

(1) A maintenance agreement shall be submitted to the CITY OF DAVISON for review by the CITY MANAGER and/or his/her designee for all development, and shall be subject to approval in accordance with storm-water plan. A formal maintenance plan shall be included in the maintenance agreement.

(2) Maintenance agreements shall be approved by the CITY OF DAVISON Council prior to final subdivision plat or condominium approval, as applicable, and prior to construction approval in other cases.

(3) A maintenance agreement is not required to be submitted to the CITY OF DAVISON for Chapter 18 Drains that will be maintained by the GENESEE County Drain Commission.

C. Maintenance Agreement Provisions

(1) The maintenance agreement shall include a plan for routine, emergency, and long-term maintenance of all storm-water BMPs, with a detailed annual estimated budget for the initial three years, and a clear statement that only future maintenance activities in accordance with the maintenance agreement plan shall be permitted without the necessity of securing new permits. Written notice of the intent to proceed with maintenance shall be provided by the party responsible for maintenance to the CITY OF DAVISON at least 14 days in advance of commencing work.

(2) The maintenance agreement shall be binding on all subsequent owners of land served by the storm-water BMPs and shall be recorded in the office of the GENESEE County Register of Deeds prior to the effectiveness of the approval of the CITY OF DAVISON Council.

(3) If it has been found by the CITY OF DAVISON Council, following notice and an opportunity to be heard by the property owner, that there has been a material

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failure or refusal to undertake maintenance as required under this ordinance and/or as required in the approved maintenance agreement as required hereunder, the CITY OF DAVISON shall then be authorized, but not required, to hire an entity with qualifications and experience in the subject matter to undertake the monitoring and maintenance as so required, in which event the property owner shall be obligated to advance or reimburse payment (as determined by the CITY OF DAVISON) for all costs and expenses associated with such monitoring and maintenance, together with a reasonable administrative fee. The maintenance agreement required under this Ordinance shall contain a provision spelling out this requirement and, if the applicant objects in any respect to such provision or the underlying rights and obligations, such objection shall be resolved prior to the commencement of construction of the proposed development on the property.

Section 7.04 Establishment of County Drains

Prior to final approval, all storm water management facilities for platted subdivisions shall be established as county drains, as authorized in Section 433, Chapter 18 of the Michigan Drain Code (P.A. 40 of 1956, as amended) for long-term maintenance.

Article VIII. Performance and Design Standards

Section 8.01 Reference to Requirement Manual

The Municipality or its designate shall use the policy, criteria, and information, including technical specifications and standards, in the Genesee County Storm Water and Flood Control Design Standard Requirements as the basis for decisions about storm water permits and about the design, implementation and performance of structural and non-structural storm water BMPs.

The State LID Manual includes a list of storm water treatment practices, including the specific design criteria for each. Storm water treatment practices that are designed and constructed in accordance with these design and sizing criteria should meet the minimum water quality and channel protection performance standards outlined in the Genesee County Storm Water and Flood Control Design Standard Requirements and the federal Phase II Storm Water Rules. Calculations to demonstrate that BMP designs will perform to meet required water quality, channel protection and flood control standards are to be submitted to the appropriate reviewing agency. Failure to construct storm water treatment practices in accordance with these standards may subject the violator to a civil penalty as described in Section 6 of this ordinance.

Section 8.02 Relationship of Genesee County Storm Water and Flood Control Design Standard Requirements (Requirements Manual) to Other Laws and Regulations

If the specifications or guidelines of the Genesee County Storm Water and Flood Control Design Standard Requirements are more restrictive or apply a higher standard than other laws or regulations, that fact shall not prevent application of the specifications or guidelines in the Requirement Manual.

Section 8.03 Changes to Standards and Specifications

Standards, specifications, guidelines, policies, criteria, or other information in the Requirement Manual in affect at the time of acceptance of a complete application shall control and shall be utilized in reviewing the application and in implementing this ordinance with regard to the application.

Section 8.04 Amendments to Requirement Manual

The Requirement Manual may be updated and expanded from time to time, based on advancements in technology and engineering, improved knowledge of local conditions, or local monitoring or maintenance experience. Prior to amending or updating the Requirement Manual, proposed changes shall be generally publicized and made available for review, and an opportunity for comment by interested persons shall be provided.

Section 8.05 Conflict of Laws

This ordinance is not intended to modify or repeal any other ordinance, rule, regulation or other provision of law. The requirements of this ordinance are in addition to the requirements of any other ordinance, rule, regulation or other provision of law, and where any provision of this ordinance imposes restrictions different from those imposed by any other ordinance, rule, regulation or other provision of law, whichever provision is more restrictive or imposes higher protective standards for human or environmental health, safety, and welfare, shall control.

Section 8.06 Private Agreements

This ordinance is not intended to revoke or repeal any easement, covenant, or other private agreement. However, where the regulations of this ordinance are more restrictive or impose higher standards or requirements than such easement, covenant, or other private agreement, then the requirements of this ordinance shall govern. Nothing in this ordinance shall modify or repeal any private covenant or deed restriction, but such covenant or restriction shall not legitimize any failure to comply with this ordinance. In no case shall the County or Municipality be obligated to enforce the provisions of any easements, covenants, or agreements between private parties.

Section 8.07 Violations Continue

Any violation of the provisions of this ordinance existing as of the effective date of this ordinance shall continue to be a violation under this ordinance and be subject to penalties and enforcement unless the use, development, construction, or other activity complies with the provisions of this ordinance.

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Article IX. Other Matters

Section 9.01 Sec. 9.01 Interpretation

Words and phrases in this ordinance shall be construed according to their common and accepted meanings, except that words and phrases defined in Section 1.05 shall be construed according to the respective definitions given in that section. Technical words and technical phrases that are not defined in this ordinance but which have acquired particular meanings in law or in technical usage shall be construed according to such meanings.

Section 9.02 Catch-Line Headings

The catch-line headings of the articles and sections of this ordinance are intended for convenience only, and shall not be construed as affecting the meaning or interpretation of the text of the articles or sections to which they may refer.

Section 9.03 Severability

The provisions of this ordinance are hereby declared to be severable, and if any part or provision of this ordinance should be declared invalid or unenforceable by any court of competent jurisdiction, such invalidity or unenforceability shall not affect any other part or provision of the ordinance.

Section 9.04 Other Ordinances

This ordinance shall be in addition to other ordinances of the Municipality and shall not be deemed to repeal or replace other ordinances or parts thereof except to the extent that such repeal is specifically provided for in this Article.

Section 9.05 Effective Date

This ordinance shall become effective _____, following its publication or following the publication of a summary of its provisions in a local newspaper of general circulation.

Section 9.06 Repeal [if applicable]

Ordinance No. ___, titled _____, is hereby repealed, as of the effective date of this ordinance.

CERTIFICATION

This ordinance shall be published in the same manner as other ordinances of the City of Davison, Pursuant to State Law MCL117.3 (k). No other publication of the Codified Ordinances, hereby approved, adopted, and enacted is necessary.

This ordinance shall take effect ten (10) days after publication in accordance with the City of Davison Charter.

Adopted this 10th day of March, 2014, by the City Council of the City of Davison.

Draft

_____
Tim Bishop, Mayor

_____
Andrea L. Schroeder, City Clerk

I certify that the above ordinance was published in the Davison Index on the 13th day of March, 2014, A.D.

_____
Andrea L. Schroeder, City Clerk

Publish in the Davison Index 03/13/14.

Genesee County
Storm Water and Flood Control
Design Standard Requirements

GENESEE COUNTY
SWM
DRAIN COMMISSIONER

Effective date: _____

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INTRODUCTION

The intent of this document is to provide information specific to Genesee County Drain Commissioner's design standards to address storm water quantity and quality. This manual will provide the policy framework, implementation procedures and design standards for storm water controls. **Note:** additional standards and requirements not in this document are required for storm systems that are to be dedicated to this office as public.

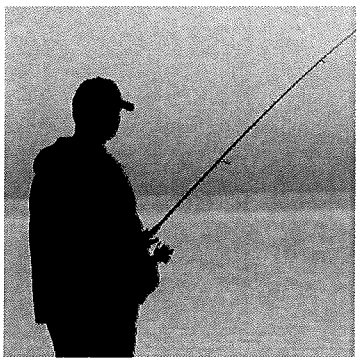
This document outlines design requirements for storm water quantity and storm water quality. The Drain Commissioner's office has adopted the *State's Low Impact Development (LID) Manual for Michigan* to guide the design of proposed Best Management Practices (BMPs) for water quality that target the standards provided in this document.

This edition of the design standards and requirements of the Genesee County Drain Commissioner reflects a storm water management philosophy that considers not only flood control, but also stream channel protection and storm water quality management. These revisions are based upon the most current State Permit requirements concerning storm water management. This manual will be updated periodically as additional BMPs are developed and/or as requirements change.

The following section outlines basic ideas and principals of storm water management, and provides a conceptual foundation for the design standards contained in this document.

THE ROLE OF THE GENESEE COUNTY DRAIN COMMISSIONER

The Office of the Drain Commissioner will review all plans submitted to the standards outlined in this document. Those sites that must submit to this office for review are listed on page 3. This office exercises authority over permitted activities of structural facilities that convey and treat storm water runoff that will be generated from a site as a result of its design. The Drain Commissioner's Rules will govern the design of such management facilities with the following objectives:



- Incorporate design standards to control both water quantity and quality.
- Encourage innovative storm water management practices that meet the criteria contained within these rules.
- Ensure future maintenance of facilities by planning for it as a part of system design.
- Make the safety of facilities a priority.
- Strengthen the protection of natural features.
- Encourage more effective soil erosion and sedimentation control measures.

The preferred hierarchy discussed above and summarized in Table 1, below, provides a comprehensive framework for evaluating the place and function of individual BMPs within a storm water management system. While the most important BMPs are source controls that preserve and protect the natural environment, the Genesee County Drain Commissioner cannot mandate these. We must look to the staff and officials of local governments, as well as to developers and their design engineers and planners, to implement source reduction approaches.

Table 1: Hierarchy of Preferred Best Management Practices (BMPs)

Non-Structural (Source) Controls	Structural (Site) Controls
1. Preservation of the natural environment 2. Minimization of impervious surfaces 3. Use of vegetated swales and natural storage	1. Infiltration of runoff on-site (trenches, etc.) 2. Structural (Site) Controls 3. Storm water detention structures 4. Storm water retention ponds * 5. Conveyance off-site 6. Proper maintenance

*Storm water retention is allowed when no acceptable outlet is available and soil conditions allow.

APPLICABILITY

To prevent an increase in non-point source pollution, these Standards requirements shall apply to any earth-disturbing activities greater than or equal to 1-acre (≥1 ac.) on new development or redevelopment projects. Earth disturbing activities less than 1-acre but are a part of a larger plan or development apply because the earth disturbance actives are considered cumulative. For those individual parcels with earth disturbing activities less than 1-acre but have more than > 0.5 acres of impervious surface shall apply.

Typically these sites require approval of a plat, a site development plan, building permit, and other permits to be obtained. The aforementioned requirements will include storm water plans that shall be designed, constructed, and maintained to prevent flooding, minimize stream channel impacts, protect water quality, and achieve the purposes of each local community's storm water ordinance for managing the quantity and quality of storm water runoff.

DESIGN MANUAL AND STANDARD DETAILS

Local communities may furnish additional policy, criteria and information, for the proper implementation of their own local ordinance. This document together with the State Low Impact Development manual (State LID manual) (Chapter 5 through 9 with relevant appendicies) will provide information on water quality and quantity standards as well a list of acceptable storm water treatment practices, including the specific design criteria for each storm water practice. This document and the State LID manual may be updated and expanded from time to time based on federal and state requirements, improvements in engineering, science, monitoring, and local maintenance experience. Storm water treatment practices that are designed and constructed in accordance with these design and sizing criteria contained in the State LID manual should meet the minimum water quality and channel protection performance standards outlined in this document. Calculations to demonstrate that BMP designs will perform to meet required water quality, channel protection and flood control standards are to be submitted to the appropriate reviewing agency. Failure to construct storm water treatment practices in accordance with these standards may subject the violator to a civil penalty as described in section 6 of the storm water ordinance.

STORM WATER PLAN Submittal Requirements

These requirements have been developed in the context of plat submittal under Act 288 of the Public Acts of 1967, as amended, the Michigan Land Division Act. However, they shall also be followed for all other categories of development, including site condominiums and site plans.

The following developments will be submitted to the Genesee County Drain Commissioner's Office for review and approval:

1. Plats submitted under Act 288 of the Public Acts of 1967, as amended, the Michigan Land Division Act

2. Applications for permits to discharge to or perform work on a county drain under P.A. 40 of 1956, as amended. Permits are required for any work done to a drain, work within the drain easement or work done that will increase flow to a county drain.

3. All new and redevelopment projects undertaken by Genesee County that disturb one (1) acre or more, including projects less than one (1) acre that are part of a larger common plan of development or sale that would disturb one (1) acre or more. This includes Genesee County Road Commission plans that include changes to the storm water system that serves the road.

4. Review of storm water system plans in other classes of developments or redevelopments, when required by local municipalities.

5. Site Condominium plans prepared under Act 59, P.A. 1978, as amended, where local government ordinances require.

6. Mobile home plans prepared under Act 96, PA. 1987.

The developer will describe the mechanism to be established for long-term maintenance of the development's private storm water management system, including maintenance schedule and enforcement. County enforcement of private development is limited to permitted actives. (See Requirement E)

Should the proprietor plan to subdivide or develop a given area but wishes to begin with only a portion of the total area, the original preliminary plan will include the proposed general layout for the entire area. The first phase of the subdivision will be superimposed upon the overall plan in order to illustrate clearly the method of development that the proprietor intends to follow. Each subsequent plat or phase will follow the same procedure until the entire area controlled by the proprietor is developed.

Final acceptance by the Drain Commissioner of only one portion or phase of the development does not ensure final acceptance of any subsequent phases or the overall general plat for the entire area; nor does it mandate that the overall general plat or plan be followed as originally proposed, if deviations or modifications acceptable to the Drain Commissioner are proposed.

Preliminary plan approval shall remain in effect for one year. Extensions must be requested in writing.

SUBMITTAL PROCESS

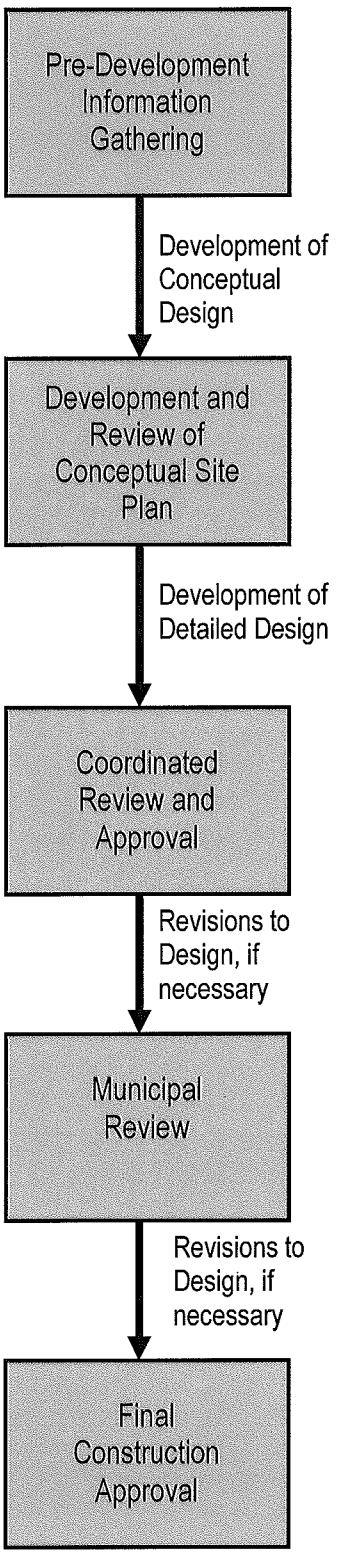
STEP 1: Pre Development Information Gathering - For all applicable projects, developers (or their designated design representatives) will contact representatives from each of the following: the County Road Commission, Health Department, municipal officials (zoning, planner, engineer, DPW, building official), and Drain Commissioner's office (Water and Waste Services and Surface Water). The purpose will be to gather information on design standards, development guidelines, and to identify the type of information developers and their representatives must furnish to comply with this ordinance. In some instances it may be expedient to hold one conference with all the involved parties. Communication between the project designer and developer, as well as the relevant local officials and developer, are two key components of this framework.

STEP 2: Development and Review of Conceptual Site Plan - Review of the conceptual site plan for approval at the County level by the appropriate personnel in Water & Waste Services, soil erosion, surface water, the Road Commission and the Health Department. Comments are returned to the owner/client and designer. **At this time the developer will have his design engineer submit a statement that their site has been reviewed to determine if it's size is capable of accommodating soil erosion and soil conservation measures during construction.**

STEP 3: Coordinated Review and Approval: Review of the Storm Water Plan and the proposed BMPs will occur at the same time as the review of the site plan by representatives from the appropriate agencies. All required documentation should be submitted two weeks prior to the meeting.

STEP 4: Municipal Review and Approval - Developers shall provide a storm water plan for post-construction management of storm water to the Municipality for review and approval. Guidance will be provided to zoning administrators and local planning commission members on the ordinance and design standards and they will be provided with a checklist for reference during site plan review. At this stage all necessary permits should have been obtained from Federal, State, and County agencies. Once all of the above documents have been obtained construction approval will be given by the municipality.

Figure 1:
Submittal Process Flow Chart



GENERAL INFORMATION REQUIREMENTS

All preliminary plans will include the following information:

1. The location of the proposed development by means of a small location map.
2. The township, city, or village in which the parcel is situated.
3. The section and part of section in which the parcel is situated.
4. The number of acres to be developed.
5. Contours, at 2-foot intervals or less, shown in a U.S.G.S. datum that is marked on prints.
6. The proposed drainage system for the development.
7. The proposed street, alley and lot layouts and approximate dimensions.
8. The location and description of all on-site and adjacent off-site features that may be relevant in determining the overall requirements for the development. These features may include, but are not limited to, the following:
   - Adjoining roads, subdivisions, and other developments
   - Schools, parks, and cemeteries
   - Drains, sewers, water mains, septic fields and wells
   - High tension power lines, underground transmission lines, gas mains, pipelines, or other utilities
   - Railroads
   - Existing and proposed easements
   - Natural and artificial watercourses, wetlands and wetland boundaries, floodplains, lakes, bays, and lagoons
   - Designated natural areas
   - Soils description in accordance with the USDA NRCS standard soils criteria
   - Any proposed environmental mitigation features
9. Soil borings, may be required at various locations including the sites of proposed retention/ detention facilities, and in areas where high ground water tables exist.

STORM WATER MASTER PLAN INFORMATION REQUIREMENTS

All plans will include the following storm water management information:

A. Stormwater Plan Preparation

The Stormwater Plan shall be prepared by a registered civil engineer. Other persons and professionals may assist in the preparation of the plan.

B. Scale for Mapping

The Stormwater Plan shall be drawn at an appropriate scale to be legible

C. Required Information

1. The Stormwater Plan must be sufficiently detailed to specify the type, location, and size of stormwater management facilities, using preliminary calculations. Detailed construction drawings are not required at the Stormwater Plan review stage.
2. The storm water management plan for the proposed development will indicate and where the drainage will outlet.
3. If it is proposed to develop a parcel in two or more phases, the Stormwater Plan shall be prepared and submitted for the total project.
4. The location by means of a small location map, drawn to a scale no less than 1" = 2000'.
5. Zoning classification of petitioner's parcel and all abutting parcels.

6. The location and description of all on-site features and all adjacent off-site features within 50 feet, and all other off-site features that may be impacted in determining the overall requirements for the development. This includes:
   (a) Existing site topography with contours at two-foot intervals or less based on the NAVD88 datum
   (b) Adjoining roads and developments
   (c) Railroads
   (d) High tension power lines or underground transmission lines
   (e) Cemeteries
   (f) Parks
   (g) Natural and artificial watercourses, wetlands and wetland boundaries, environmental feature boundaries,
   (h) floodplains, lakes, bays, existing stormwater storage facilities, conveyance swales (natural or artificial) with identification of permanent water elevations
   (i) Information supporting that the outlet is acceptable. An acceptable outlet is a natural watercourse under regulation of Act 451 part 301 Inland Lake and Stream, county drain, county road ditch, or a regulated wetland with an acceptable outlet. The development may discharge across a neighboring private property with the appropriate written approvals/easements.
   (j) Location of woodlands
   (k) Designated natural areas
   (l) Any proposed environmental mitigation features
   (m) Drains, sewers, and water mains
   (n) Existing and proposed easements
   (o) A map, at the U.S.G.S. scale, showing the drainage boundary of the proposed development and its relationship with existing drainage patterns
   (p) Boundaries of any off-site drainage area contributing flow to the development
   (q) Any watercourse passing through the development, along with the following:
      (i) Area of upstream watershed and current zoning
      (ii) Calculations of runoff from the upstream area for both the 100-year and two-year 24-hour design storms, for fully developed conditions according to the current land use plan for the area.
      (iii) A description of how drainage, which originates outside of the development boundaries and flows onto or across the development, will be managed.
   (r) Soil borings may be required at various locations including the sites of proposed retention/detention and infiltration facilities, and as needed in areas where high groundwater tables or bedrock near the surface exist
   (s) Proposed site improvements including lot divisions and building footprints
   (t) Stormwater BMP information including:
      (i) Location of all stormwater BMPs

(ii) Identification of stormwater quality and quantity treatment facilities and method of stormwater conveyance

(iii) Sizing calculations for stormwater quality and quantity, including preliminary estimates of runoff volume captured by BMPs, (e.g., infiltration losses,) for treatment facilities

(iv) Tributary area map for all stormwater management facilities indicating total size and average runoff coefficient for each subarea

(v) Analysis of existing soil conditions and groundwater elevation and bedrock depth (including submission of soil boring logs) as required for proposed retention and infiltration facilities

D. Landscaping plan for stormwater BMPs

E. Easements for stormwater management facilities

F. Required natural features setbacks

G. Drinking water wells, public wellheads, Wellhead Protection Areas (WHPAs), underground storage tanks, and brownfields

Proposed drainage for the development will conform to any established County drainage districts. Proposed drainage should complement any local storm water management plans that may exist and/or comply with any ordinance in effect in the municipality/ies where the proposed development is located.

GENESEE COUNTY DESIGN CRITERIA

In an effort to standardize design procedures for storm sewers and open channels in Genesee County, the Genesee County Drain Commissioner has developed these standards. It is hoped that these standards will facilitate planning from both the position of the design and reviewing engineer.

It is recognized that design conditions vary and there is no substitute for the professional judgment of an experienced engineer. In all cases this judgment should be applied.

The development shall meet the following storm water *design requirements*:

A A minimum treatment volume standard to minimize water quality impacts.

B Channel protection criteria to prevent resource impairment resulting from flow volumes and rates.

C Flood Control

D Operation and maintenance requirements.

E *Enforcement mechanisms with recordkeeping procedures.*

EXPLANATION OF REQUIREMENTS

Requirement A: "A minimum treatment volume standard to minimize water quality impacts."

There are several different ways to calculate a minimum treatment volume (commonly referred to as first flush). The developers design representative shall determine the minimum treatment volume for water quality by one of the following methods:

- Using 1" of runoff from the entire site
- The statewide analysis by region for the 90-percent annual non-exceedance storms that is summarized in the March 24' 2006 MDEQ memo. (Genesee County is considered to be part of the Detroit Metro Area for calculating runoff) A copy of this memo is available on the Drain Commissioner's website. www.gcdcswm.com

Treatment methods shall be designed on a site-specific basis to achieve the following:

- A minimum of 80 percent removal of total suspended solids (TSS), as compared with uncontrolled runoff, or
- Discharge concentrations of TSS not to exceed 80 milligrams per liter (mg/l).

A minimum treatment volume standard is not required where site conditions are such that TSS concentrations in storm water discharges will not exceed 80 mg/l.

Sites are in compliance with this permit requirement if the minimum treatment volume from the site is treated by properly designed BMPs that achieve either 80% removal of total suspended solids, or discharge 80 mg/l or less of total suspended solids according to accepted literature. It is also important to note that new development will often be in compliance with this permit requirement if the volume control specified in the channel protection requirement of this permit is achieved.

Compliance may be shown through calculation or through direct measurement. Calculations or measurements must show reductions to the calculated TSS concentration in uncontrolled runoff using the data provided here or another acceptable literature source. Table 7.1 (pp. 122) in the State LID Manual summarizes the potential application and the quantity and quality function for most BMPs, When designed correctly, either individually or as a suite of BMPs, the treatments listed in Table 7 will meet the permit's stormwater requirements.

Requirement B: "Channel protection criteria to prevent resource impairment resulting from flow volumes and rates."

The channel protection criteria established in the NPDES Ph II permit is necessary to maintain post-development site runoff volume and peak flow rate at or below existing levels for all storms up to the **2-year, 24-hour event**.

"Existing levels" means the runoff flow volume and rate for the last land use prior to the planned new development or redevelopment.

An acceptable source of rainfall data for calculating runoff volume and peak flow rate is: *Rainfall Frequency Atlas of the Midwest*, Huff & Angel, NOAA Midwest Climate Center and Illinois State Water Survey, 1992. A copy of this is available on the Drain Commissioner's website. www.gcdcswm.com

Methods for estimating pre-development and post-development runoff shall follow curve number evaluations. Any of the following methods are allowed:

- Computing Flood Discharges for Small Ungaged Watersheds
- TR55
- Hec-Raz
- Hec-HMS
- SWIM

Requirement C: "Flood Control Requirements"

Flood Control requirements are for all storms events between the **2-year, 24-hour event** and the **100-year 24-hour event.**

Many streams located in this county do not have stream gauging data available or the period of record is not of sufficient length to allow the design engineer to estimate flood flows by using flood-frequency analysis as developed by U.S.G.S. Prior to design of any storm drain improvement or enclosure, the developer or their designated design representative shall investigate any gauging station, partial record gauging station, or crest stage gages on the drainage basin for available pertinent data on flood flows.

Where insufficient data is available to develop basin hydrology by the above method, the developer shall determine flows along the watercourse by the S.C.S. method, the rational method, the brater method, or a combination of these methods. The basin hydrology shall be approved by the Genesee County Drain Commissioner's office prior to proceeding with the final design of a given project.

Implementing stormwater control BMPs can reduce the frequency and intensity of flooding even on C and D soils. And while the State LID manual does provide guidance on designing BMPs to address flooding the standard is more restrictive that Genesee County standards. Therefore, developments/Flood controls shall be developed in accordance with the following flood frequencies. For each of the frequency categories below:

A. The following basin development projects are to be designed to the 100 year storm:
   1. Culverts or bridges crossing state highways or expressways where the upstream drainage area is in excess of 2 square miles;
   2. Detention ponds;
   3. Drainage enclosures in excess of 100 feet where the upstream drainage area is in excess of 2 square miles.
B. The following basin development projects are to be designed to the 25 year storm:
   1. County road cross culverts and bridges.
   2. Open channel development or improvement (flow to be contained within the channel).
   3. Drain enclosures where the drainage area is greater than 300 acres but less than 2 square miles.
C. The following basin development projects are to be designed to the 10 year storm:
   1. Open channels, culverts or drain enclosures where the drainage area is not in excess of 300 acres.
   2. Enclosed storm sewers flowing full under gravity conditions in proposed plats/ developments.

Flow Estimation: Hydrology:

Many different methods of arriving at a given flow (cfs) for a selected spot in a drainage outlet have been developed over the years. Because of its general recognition and wide use within the county, the drain commissioner will accept the rational method for flow computation where the drainage area is less than 100 acres. Engineers electing to use this method for larger drainage area will be requested to also use an alternate method for comparison.

The following criteria shall be used in determining the variables of the rational formula Q=CIA.

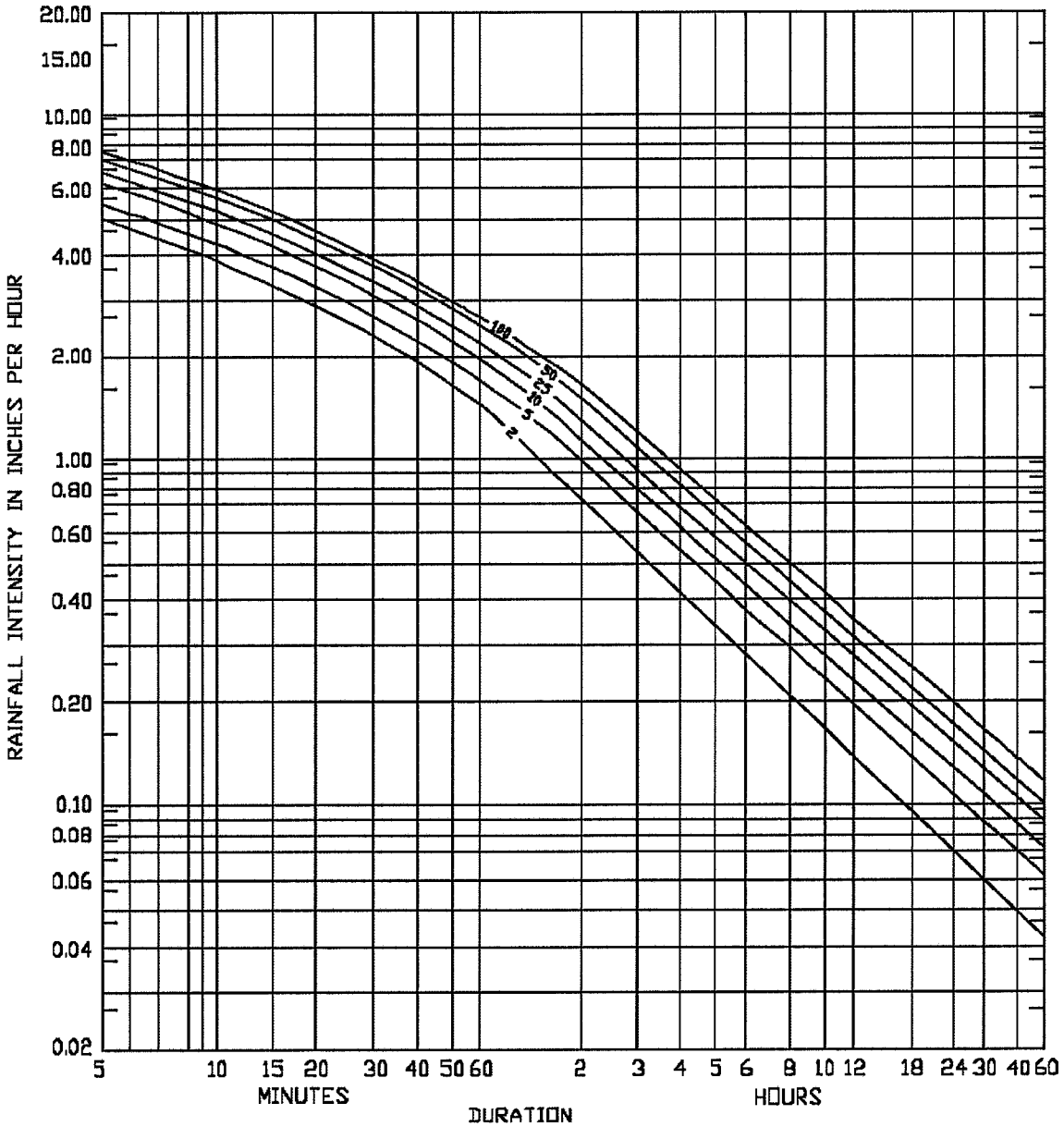
1. Runoff coefficient - the runoff coefficient must be determined on the basis of this projected development using the following:

	C-factor
– Flat undeveloped lands, farms, non-wooded	0.25
– Woodlands & sloped undeveloped land	0.30
– Parks, cemeteries, playgrounds, disturbed ground*	0.35
– Residential*	0.40
– Apartments, condominiums or light manufacturing*	0.50
– Commercial and industrial*	0.70
– Impervious areas (parking, roof, etc.)	0.95
– Open water	1.00

*These are average C-factors for typical types of development. A C-weighted value may be calculated to more accurately reflect the site conditions.

2. Intensity - the rainfall intensity - Computation of an accurate time of concentration is critical to the use of these curves. For urban storm sewers time of concentration shall be the summation of the inlet time plus the time of flow in the sewer. For urbanized area a minimum initial time of 20 minutes, plus time of travel, shall be acceptable for design and for average rural basins an initial time of concentration of 30 minutes, plus time of travel, will present an adequate time for storm flows to peak. The flow time in an enclosed system shall be calculated by standard design charts. For channel velocity the standard manning equation v=1.486 r 2/3 s 1/2 shall be accepted. A chart based on *Technical Paper 40* listing accepted N values for storm sewer design is located on page 12 for use in design analysis.

3. Area - the area of a basin or sub-basin shall be determined by use of 2' contour maps available at the county GIS department with an appropriate field check or by use of established county drain maps on file at the Drain Office, 4608 Beecher Road.



GENESEE COUNTY SWM DRAIN COMMISSIONER

RAINFALL INTENSITY - DURATION - FERQUENCY CURVES
FOR FLINT, MI
BASED ON U.S. DEPARTMENT OF COMMERCE TECHNICAL PAPER 40

Outlet conditions:

All storm systems shall be designed to exit into an outlet with sufficient carrying capacity to carry the additional design flow. The maximum velocity allowable for an outlet to open ditch is 5 ft/s. Maximum velocity may be reduced based on poor soil conditions.

The designer engineer shall analyze this condition and submit data substantiating his conclusions. This information shall be submitted to the drain commissioner along with the required design forms.

In the event the design engineer does not have sufficient capacity in the outlet the following criteria shall apply:

1. The system shall be designed to outlet only existing runoff. Existing runoff shall consist of all water presently contributed to the drainage district. This shall mean the 2-year storm under existing conditions using agricultural land (c= 0. 25). All excess shall be retained on site for duration of time necessary to pass the design storm without downstream flooding. The outlet discharge shall not exceed 0.2 cfs/acre under any event.
2. The township shall petition the drain commissioner to improve the outlet to the required size to pass the additional water at the design storm. In the event this petition is not successful criteria #1 above shall apply.

Requirement D: "Operation and maintenance requirements."

All structural and vegetative BMPs installed shall include a plan for maintaining maximum design performance through long-term operation and maintenance (O&M). The O&M plans will ensure that the BMP continues to meet the **water quality treatment**, **channel protection & flood** controls outlined in this manual.

O&M maintenance agreements that are required under a municipal storm water ordinance will be between the property owner and the Municipality, and contain within the maintenance agreement, at the minimum, the following factors:

- Operating instructions for the outlet component;
- Vegetation maintenance schedule;
- Responsible party designation;
- Inspection checklists;
- Maintenance checklists; and
- Tracking requirements.
- As-builts showing the storm maintenance plan was built to design.

An example of a storm water maintenance agreement can be found in Appendix G (pgs 455 – 461 of the LID Manual for Michigan.

For projects located within communities that do not have a storm water ordinance, but do drain into a Road System or County Drain and would require a Genesee County Road Commission permit or Drain Commissioner's Office – SWM permit have to provide a maintenance plan that would provide the same above information as in a maintenance agreement. If it is found that a site is not being maintained and violates the County permit issued, the Drain Commissioner's Office and/or Road Commission will revoke the permit allowing discharge to their system and refer the violator to the local municipality.

Requirement E: "Enforcement mechanisms with record keeping procedures."
Enforcement of the NPDES requirements will be achieved through a combination of County agencies (the Drain Commissioner and Road Commission) and local municipalities that have a storm water ordinance. Any municipality may adopt the storm water ordinance. It is assumed that each permitted municipality will adopt a storm water ordinance (a state requirement) that supports the Genesee County storm water requirements or its own storm water requirements. The individual municipality will retain records.

Post Construction authority for the Road Commission's and Drain Commissioner's Office begins and ends at the right of ways or easements. If the site violates the permit the GCRC or GCDC has the right to block or deny the site access to an outlet. The laws do not give either agency the right to enter the site or do any work outside our right of ways or easements. For non-Phase II communities, where the site drains to a wetland, water of the state (not a drain or road ditch) or MDOT drainage system, the County does not have any post construction authority.

The BMP/owner operator must track and record, and if required by the permittee, report all field inspection findings to ensure proper O&M occurs for the life of the BMP.

As per the ordinance, the BMP/owner operator must maintain inspection and maintenance information for the life of the BMP and make this information available to Municipality (permitee) staff during an inspection.

Municipality will maintain records of site plan process, approvals, any post construction inspection reports and non-compliance issues and resolution.

APPEAL PROCEDURES

Developments are reviewed based on the standards and requirements in this document. Approval cannot be given for developments that do not meet these requirements.

If the proprietor wishes to appeal a decision made by the Genesee County Drain Commissioner's office, a written appeal may be filed. If an appeal is filed with the Genesee County Drain Commissioner's office, an informal hearing will be scheduled.

The informational hearing will allow the proprietor an opportunity to submit additional information or re-emphasize previously submitted data. The Drain Commissioner will then review the information and make a final decision within 21 days of the informal hearing. This final decision will be forwarded to the proprietor by first class mail.

PERMITS AND FEES FOR THE GENESEE COUNTY DRAIN COMMISSIONER

A permit will be required for all activities crossing, modifying, or discharging to a county drain, or any work within a county drain easement. Submittals shall include all the following information:

3. A fully completed permit application including appropriate signatures.
4. A drawing including the following information, at a minimum:
    a. Location of County Drain easements on the property.
    b. Descriptions of all construction activity within drain easement.
    c. Dimensions and elevations of all facilities being proposed for construction within the drain easement.
    d. Type of material used for construction of facilities within drain easement.
    e. Soil erosion and sedimentation control measures.
    f. Any required BMP's.
5. Note: Currently there are no permit fees for permitted activities.

Inspection Fees for the Genesee County Drain Commissioner:

Inspection fees are not charged for private development. Drains that are constructed and that will be designated as a County Drain will follow the inspection fee schedule for a public storm sewer.

Example

A developer owns a 3-acre parcel. They want to place a shopping center and parking lot on a currently vacant parcel. Between the building and parking lot they would add 2.61 acres of impervious. The entire parcel drains to the road and the ground has a hydraulic soil group B. The

Requirement A
Using the 90- percent annual non-exceedance storms methodology:

P= 0.90-inches [the rainfall for the "Detroit Metro" area]
The site will be 87% impervious
Rv= 0.05+0.009 (87%) [Volumetric runoff coefficient]
Rv= 0.83

WQV= P*Rv = 0.9"*0.83 = 0.75 watershed inches [Water quality volume]
Convert to cubic feet
WQV= 0.75" (1ft/12")(3 acres)(43560ft^2/1acre)=**8,168 ft^3**

Requirement B
Using TR-55

2-year rainfall= 2.26"
The CN = 58 undeveloped
Q = 0.17 inches of runoff
V = 0.17 inches (1ft/12")(3 acres)(43560ft^2/1acre)=1851.3 ft^3
Tc = 0.45
Qpeak = qu*A*WQV = (2.45cfs/inch of runoff)(0.17 inch) = **0.42 cfs undeveloped**

the CN = 92 developed
Q=1.59 inches of runoff
V = 1.59 (1ft/12")(3 acres)(43560ft^2/1acre)=17,315.1 ft^3
Tc = 0.37hours
Qp = qu*A*WQV = (4.1cfs/inch of runoff)(1.59 inch) = 6.52 cfs developed

Requirement C
Qout = 0.2 cfs/acre * 3acres = 0.6 cfs max discharge
Cw= (2.61*.95+.39*.25)/3 = .86
Tc= 160 minutes for maximum volume
Vreq= ((0.86*1.4*3.0)-0.6)*160*60 = 28,916 ft^3

- Instead of conveying the water through a pipe the parking lot is able to be sloped to a 700 long bioswale. That is able to treat 9,000 ft^3 before overflowing into the detention basin.
- The proposed detention basin is over dug by 17,315-1,851= 15,464 ft^3 . this will hold the additional runoff volume for the 2-year storm, with a discharge rate 0.42 cfs.
- For storms above the 2-year the additional 28,916 ft^3 in the pond will detain the necessary flow for up to the 100-year storm, with a discharge of 0.60 cfs.

ROWE PROFESSIONAL SERVICES COMPANY

Large Firm Resources. Personal Attention. sm

Memorandum

To: Davison City Council

From: Leanne H. Panduren, PE

Date: February 18, 2014

RE: 2014-2020 Capital Improvement Plan

Attached please find the 2014-2020 CIP, as approved by the Planning Commission at their February 11, 2014 meeting. Based upon projects that were not able to be completed in the 2013-2014 fiscal year and to balance the amount per year, several projects have been shifted to subsequent years. There were also some projects added this year based on staff input. Following is a brief synopsis of the major changes from last year's approved plan:

STREETS:

- Church Street project has been modified to a total reconstruct from edge of curb to edge of curb versus a resurface as previously proposed. This is due to the deteriorating condition of the pavement.
- E. Clark Street and Rising/Dayton/W. Clark Streets projects have been moved to future years since they were not funded through the Genesee County TIP for 2014-2017.

WATER:

- Main Street from Mill to Flint Street has been added based on the recent break history.
- Several projects were added/updated based on the results of the 2013 Water Reliability Study, including: Aloha Street, Charles St/JFK Court, and S. Davison Street.
- A new item was added to future projects for the second priority projects from the study.

SANITARY SEWER:

- The Lapeer Street lift station replacement has been moved up to 14-15 due to its condition.
- If the city receives SAW grant funding, modifications may be needed to the CIP for Sanitary.

STORM SEWER:

- If the city receives SAW grant funding, modifications may be needed to the CIP for Storm.

NON-MOTORIZED FACILITIES:

- Based on the high project cost, the burying of utility lines on M-15 has been moved to the future project category.

PARKS AND RECREATION:

- Basketball court resurfacing and fence improvements at Jack Abernathy Park were added for 14-15.
- Volleyball court rehabilitation at Jack Abernathy Park was added for 14-15.
- The funding from the Davison Community Fund was added to cover the costs of the basketball and tennis court improvements in 14-15.

EQUIPMENT:

- Zero-turn mowers for the DPW were added for 14-15.

As we've discussed in previous years, the CIP is a working document meant to assist in setting priorities and determining budgets. Modifications to the CIP throughout the year do not require formal approved amendments.

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City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
STREETS					
Add flashing yellow light at E Flint/Main St		$18,000.00	Major Streets	14-15	76
Reconstruct Church St. (E. Flint to E. Third)	roadway only, curb/drives to remain	$160,000.00	Local Streets	14-15	39
Subtotal 2014-2015		***$178,000.00***			
Restripe W. Flint Street to 3-lane		$25,000.00	STP/CMAQ Grant - 80%	15-16	56
Reconstruct Bay St. (M-15 to Charles)	upgrade storm, san and water; add coll tile	$475,000.00	Local Streets	15-16	53
Subtotal 2015-2016		***$500,000.00***			
Main Street Resurfacing (Clark to Birch Dr.)		$85,000.00	Major/Local Streets	16-17	50
Subtotal 2016-2017		***$85,000.00***			
Reconstruct Mill St. (Lapeer St. to M-15)	concrete	$310,000.00	STP/DDA - Portions	17-18	50
Subtotal 2017-2018		***$310,000.00***			
Resurface W. Rising/Dayton (Rising to Clark)/W Clark/E Clark (M-15 to Main)		$685,000.00	STP Grant - 80%	18-19	
Subtotal 2018-2019		***$685,000.00***			
Resurface Clark Street (Main Street to E city limits)		$500,000.00	STP Grant - 80%	19-20	55
Resurface Genesee St. (W Rising to Hill St.)	concrete and asphalt section; add storm	$300,000.00	Local Streets	19-20	41
Reconstruct N Davison (Mill to E Flint St.)	Concrete	$525,000.00	Local Streets	19-20	40
Resurface Cambridge (M-15 to Dayton)		$85,000.00	Local Streets	19-20	39
Resurface Second St. (Genesee to Aloha)		$250,000.00	Local Streets	19-20	39

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
STREETS					
Remove & Replace Curb & Gutter Veit St. (South to North)	Add storm & collector tile	$35,000.00	Local Streets	19-20	39
Remove and Replace Curb & Gutter South St. (Veit to Davison)	Add storm & collector tile	$70,000.00	Local Streets	19-20	38
Resurface Rising St. (Main Street east to end)		$175,000.00	Local Streets	19-20	35
Reconstruct Lapeer St. (E Flint to Mill)	concrete	$525,000.00	Local Streets	19-20	34
Resurface Lexington (West. of Dayton St.)	curb repairs	$75,000.00	Local Streets	19-20	33
Remove and Replace (w/ Concrete) all asphalt curb on Garland and Fourth Streets		$120,000.00	Local Streets	19-20	33
Remove and Replace Curb & Gutter Wisler Street		$70,000.00	Local Streets	19-20	32
Resurface S Dayton St. (Plymouth to Lexington)		$120,000.00	Local Streets	19-20	31
Resurface Moore St. (Bay to Gary Ray)	add coll tile	$80,000.00	Local Streets	19-20	29
Resurface Meadow (Bay to Gary Ray)	add coll tile	$100,000.00	Local Streets	19-20	29
Subtotal 2019-2020		***$3,030,000.00***			
Add dedicated left turn lights at Flint/M-15	Must meet signal warrants	$20,000.00	Safety Grant - 80%	Unknown	80
Improve Rail crossings to allow trains to pass thru without using whistles	**FUTURE CIP**				

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
WATER					
Davison Rd Replacement (Aloha to end)		$70,000.00	Water Fund	14-15	42
Genesee St - Loop dead end water mains		$55,000.00	Water Fund	14-15	49
Annual Hydrant Replacements		$45,000.00	Water Fund	14-15	
Seal WTP Asphalt Drive		$6,000.00	Water Fund	14-15	27
Subtotal 2014-2015		***$176,000.00***			
Bay Street (Charles to M-15)		$200,000.00	Water Fund	15-16	49
Main Street (Mill to Flint) - Pipeburst		$400,000.00	Water Fund	15-16	
Annual Hydrant Replacements		$45,000.00	Water Fund	15-16	34
Subtotal 2015-2016		***$645,000.00***			
Water Tower Maintenance	Required every 10 years	$200,000.00	Water Fund	16-17	55
Annual Hydrant Replacements		$45,000.00	Water Fund	16-17	
Aloha St - 12" main to close dead end		$28,000.00	Water Fund	16-17	
Well #2 Heater - Replace		$5,000.00	Water Fund	16-17	31
Subtotal 2016-2017		***$278,000.00***			
Annual Hydrant Replacements		$45,000.00	Water Fund	17-18	
Charles St/JFK Court - replace 4" mains		$177,000.00	Water Fund	17-18	
Subtotal 2017-2018		***$222,000.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
WATER					
Annual Hydrant Replacements		$45,000.00	Water Fund	18-19	
S. Davison St - replace 4" main		$41,000.00	Water Fund	18-19	
Subtotal 2018-2019		***$86,000.00***			
Annual Hydrant Replacements		$45,000.00	Water Fund	19-20	
Dayton St (Plymouth to Amesbury)		$200,000.00	Water Fund	19-20	37
Subtotal 2019-2020		***$245,000.00***			
New meter reading system	**FUTURE CIP LIST**			unknown	
Annual Hydrant Replacements	**14-24 project (15/year)**	$180,000.00			
WRS - 2nd Priority Projects	**FUTURE CIP LIST**	$2,016,025.00			
WTP Roof Replacement	**FUTURE CIP LIST**			2029-2030	

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
SANITARY SEWER					
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	14-15	57
Replace Lapeer Street liftstation w/ Submersible		$150,000.00	Sewer Fund	14-15	50
Sanitary Manhole Construction	various locations	$30,000.00	Sewer Fund	14-15	
Subtotal 2014-2015		***$247,000.00***			
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	15-16	57
Replace Collingwood liftstation w/ Submersible		$125,000.00	Sewer Fund	15-16	51
CIPP Collingwood Dr - MH - 31-36		$25,000.00	Sewer Fund	15-16	46
Sanitary Manhole Construction	various locations	$30,000.00	Sewer Fund	15-16	
Subtotal 2015-2016		***$247,000.00***			
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	16-17	57
CIPP Juniper - MH # 129-145		$15,000.00	Sewer Fund	16-17	42
CIPP W Hill St MH # 377 to 278		$15,000.00	Sewer Fund	16-17	41
Subtotal 2016-2017		***$97,000.00***			
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	17-18	57
Replace Sanitary on Bay St - Village to Interceptor		$80,000.00	Sewer Fund	17-18	51
CIPP E Flint St MH # 304 to 301		$40,000.00	Sewer Fund	17-18	42
Subtotal 2017-2018		***$187,000.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
SANITARY SEWER					
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	18-19	57
CIPP Oda St. MH # 249 to 245		$50,000.00	Sewer Fund	18-19	42
Subtotal 2018-2019		***$117,000.00***			
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	19-20	57
CIPP N Genesee: W Flint South to Interceptor		$100,000.00	Sewer Fund	19-20	45
Genesee & W Hill St. MH # 279 Inverts too low	Belly in pipe @ MH (200'-300')	$20,000.00	Sewer Fund	19-20	43
CIPP W Chelsea - MH # 198-199		$15,000.00	Sewer Fund	19-20	42
CIPP N Genesee MH # 290-280		$20,000.00	Sewer Fund	19-20	42
CIPP Charles - MH # 292-296		$18,000.00	Sewer Fund	19-20	42
CIPP E Hill St MH 188 to 191		$10,000.00	Sewer Fund	19-20	41
Subtotal 2019-2020		***$250,000.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
STORM SEWER					
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	14-15	71
Manhole Repairs	Identified through Smoke Testing and Ongoing	$15,000.00	Sewer Fund	14-15	67
Open ditch @ end of W. Chelsea cleanout	200 yards	$2,000.00	Sewer Fund	14-15	29
Subtotal 2014-2015		***$67,000.00***			
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	15-16	71
Disconnect of sump pump leads	Annual - alternate w/collector tile construction *Assumed 450 homes @ $5000/home total; 20/year*	$100,000.00	Sewer Fund	15-16	71
Subtotal 2015-2016		***$150,000.00***			
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	16-17	71
Disconnect of sump pump leads	Annual - alternate w/collector tile construction *Assumed 450 homes @ $5000/home total; 20/year*	$100,000.00	Sewer Fund	16-17	71
Subtotal 2016-2017		***$150,000.00***			
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	17-18	71
Disconnect of sump pump leads	Annual - alternate w/collector tile construction *Assumed 450 homes @ $5000/home total; 20/year*	$100,000.00	Sewer Fund	17-18	71
Subtotal 2017-2018		***$150,000.00***			
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	18-19	71
Disconnect of sump pump leads	Annual - alternate w/collector tile construction *Assumed 450 homes @ $5000/home total; 20/year*	$100,000.00	Sewer Fund	18-19	71
Subtotal 2018-2019		***$150,000.00***			
Collector Tile installed SW Quadrant	Construction in phases - Final Phase	$50,000.00	Sewer Fund	19-20	71

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
STORM SEWER					
Disconnect of sump pump leads	Annual - alternate w/collector tile construction *Assumed 450 homes @ $5000/home total; 20/year*	$100,000.00	Sewer Fund	19-34	71
Collector Tile installed SE Quadrant		$501,600.00	Sewer Fund	19-20	67
Collector Tile installed NE Quadrant		$356,400.00	Sewer Fund	19-20	62
Collector Tile installed NW Quadrant		$462,000.00	Sewer Fund	19-20	62
Install Sewer behind houses on east side Moore Dr	Gary Ray - Quail Ridge	$70,000.00	Sewer Fund	19-20	60
Review Rosemore Park System and Update	need additional catchbasins	$265,000.00	Sewer Fund	19-20	49
Construct catch basins/sewer on Maxine Drive	No SS at all	$80,000.00	Sewer Fund	19-20	34
Subtotal 2019-2020		***$1,885,000.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
NON-MOTORIZED FACILITIES					
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	14-15	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	14-15	70
Subtotal 2014-2015		***$66,500.00***			
Trail on south side of Harvey Drive (5' wide)	School parking lot to existing crosswalk	$40,000.00	Recreation Grant	15-16	63
Put radius on east side path at JA Park entrance	make more bike friendly	$500.00	Recreation Grant	15-16	41
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	15-16	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	15-16	70
Subtotal 2015-2016		***$107,000.00***			
Decorative streetlighting	Third Street to Flint Street	$200,000.00	DDA/MEDC Grant/ Foundation Grant	16-17	78
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	16-17	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	16-17	70
Subtotal 2016-2017		***$266,500.00***			
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	17-18	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	17-18	70
Subtotal 2017-2018		***$66,500.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
NON-MOTORIZED FACILITIES					
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	18-19	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	18-19	70
Subtotal 2018-2019		***$66,500.00***			
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	19-27	80
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	19-20	70
Improve entrance to trail at Amesbury to widen	make more bike friendly	$2,500.00	Recreation Grant	19-20	39
Subtotal 2019-2020		***$69,000.00***			
Bury existing public utilities on M-15 - city limits	**FUTURE CIP**	$2,500,000.00	Major Streets/ General Fund		53
Streetlighting upgrades (LED/magnetic induction)	**FUTURE CIP**				

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
PARKS AND RECREATION					
Rehab Bathroom Facility - Jack A Park	Interior work and fix doors	$8,000.00	Volunteers/Rec Grant	14-15	62
Parking lot closer to sledding hill - Jack Abernathy Park	Extend existing Gravel Lot	$47,000.00	Recreation Grant	14-15	51
Rehab Bathroom Facility - Jack A Park	Replace Roof	$7,000.00	Recreation Grant	14-15	62
Pavilion for sledding hill w/wood burning pit Jack Abernathy Park		$3,000.00	Volunteers/Golf Comm	14-15	52
Tennis court resurfaced	Jack A	$15,000.00	DCF Grant	14-15	49
Basketball court resurfaced & fence improvements	Jack A	$10,000.00	DCF Grant	14-15	41
Volleyball Court Rehabilitation	Jack A	$5,000.00	General Fund	14-15	
Resurface Ballfield Parking Lot	Jack A	$26,800.00	Recreation Grant/DCER	14-15	47
Skate park fencing		$6,600.00	Volunteers	14-15	43
New asphalt around concession stand	Repair - Jack A	$17,500.00	Recreation Grant	14-15	43
Subtotal 2014-2015		***$145,900.00***			
Install Uniform Signing for all Parks		$3,000.00	Recreation Grant	15-16	46
Ball Field upgrades Manford Park		$2,500.00	Recreation Grant	15-16	42
Grade hill in Manford Park for sledding		$2,000.00	Recreation Grant	15-16	37
Subtotal 2015-2016		***$7,500.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
PARKS AND RECREATION					
Splash pad @ Jack Abernathy Park		$100,000.00	Recreation Grant	16-17	58
Subtotal 2016-2017		***$100,000.00***			
New ice skate arena	At existing park	$35,000.00	Recreation Grant	17-18	52
Subtotal 2017-2018		***$35,000.00***			
Pavilion Manford Park		$8,000.00	Volunteers/Rec Grant	18-19	
Subtotal 2018-2019		***$8,000.00***			
Parking lot in Waterworks Park & driveway	Gravel	$35,000.00	Grant	19-20	
Pavilion @ Waterworks Park		$8,000.00	Grant	19-20	
Subtotal 2019-2020		***$43,000.00***			
Install Parking Lot Manford Park	**FUTURE CIP**				
Purchase additional park property	**FUTURE CIP**				

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
BUILDING AND GROUNDS					
Address missing lamp post between library and museum		$10,000.00	General Fund	14-15	36
Separate heating/cooling system @ city hall		$20,000.00	General Fund	14-15	37
City Hall Parking Lot Dumpster Enclosure		$20,000.00	General Fund	14-15	
Subtotal 2014-2015		***$50,000.00***			
New signs @ city limits	Gateway improvements (4)	$20,000.00	General Fund	15-16	50
Old Garage Roof Repairs	Heating/Insulation	$50,000.00	General Fund	15-16	47
Exterior doors - City Hall		$75,000.00	General Fund	15-16	39
Window replacement-City Hall		$30,000.00	General Fund	15-16	39
Carpet replacement-City Hall		$28,000.00	General Fund	15-16	29
Subtotal 2015-2016		***$203,000.00***			
Overhaul Courtyard at City Hall w/ new layout		$65,000.00	General Fund/MEDC	16-17	43
Subtotal 2016-2017		***$65,000.00***			
New electronic marquee @ city hall		$25,000.00	General Fund/MEDC	17-18	54
Subtotal 2017-2018		***$25,000.00***			
New roof @ library		$50,000.00	Split with Townships	18-19	46
Subtotal 2018-2019		***$50,000.00***			

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	2012 PRIORITY SCORE
BUILDING AND GROUNDS					
				19-20	
				19-20	
Subtotal 2019-2020		***$0.00***			
New Building DPW (Additional Storage)	**FUTURE CIP**				
New sound system for council chambers	**Pending Potential Reconfiguration - FUTURE CIP**				
Lighting improvements for council chamber	**Pending Potential Reconfiguration - FUTURE CIP**				
Council chamber technology updates (pop-up screen and/or drop screen audience	**Pending Potential Reconfiguration - FUTURE CIP**				
Purchase Keiss Bldg. east of Secretary of State	**FUTURE CIP**				
City contribution for new fire hall	**Feasibility study - 10-15 years - FUTURE CIP**				

City of Davison
2014-2020 Capital Improvement Plan

PROJECT	DEPARTMENT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR
EQUIPMENT					
Copier/Printer	OFFICE		$15,000.00	Equipment	14-15
Zero-Turn Mowers (2)	DPW	$18,000/mower	$36,000.00	Equipment	14-15
One Patrol Unit	POLICE		$27,000.00	General Fund	14-15
Subtotal 2014-2015			***$78,000.00***		
Water Tapping Machine	DPW		$8,000.00		15-16
One Patrol Unit	POLICE		$28,000.00	General Fund	15-16
Subtotal 2015-2016			***$36,000.00***		
One Patrol Unit	POLICE		$29,000.00	General Fund	16-17
Subtotal 2016-2017			***$29,000.00***		
Replace Street Sweeper	DPW		$200,000.00		17-18
Subtotal 2017-2018			***$200,000.00***		
Water Van	DPW		$40,000.00		18-19
Subtotal 2018-2019			***$40,000.00***		
					19-20
					19-20
Subtotal 2019-2020			***$0.00***		

City of Davison
2014-2020 Capital Improvement Plan
FY 2014-2015 PROJECTS

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	PRIORITY SCORE	In FY14-15 Budget
STREETS						
Add flashing yellow light at E Flint/Main St		$18,000.00	Major Streets	14-15	76	☐
Reconstruct Church St. (E. Flint to E. Third)	roadway only, curb/drives to remain	$160,000.00	Local Streets	14-15	39	☐
Subtotal 2014-2015		*$178,000.00*				
WATER						
Davison Rd Replacement (Aloha to end)		$70,000.00	Water Fund	14-15	42	☐
Genesee St - Loop dead end water mains		$55,000.00	Water Fund	14-15	49	☐
Annual Hydrant Replacements		$45,000.00	Water Fund	14-15	0	☐
Seal WTP Asphalt Drive		$6,000.00	Water Fund	14-15	27	☐
Subtotal 2014-2015		*$176,000.00*				
SANITARY SEWER						
Cured in Place Pipe (CIPP) Manford Hgts Sub (Fitzner Sequioia, Balsam, Tamarac, Hemlock)	Construct in Phases ($400,000 - $67,000 annually)	$67,000.00	Sewer Fund	14-15	57	☐
Replace Lapeer Street liftstation w/ Submersible		$150,000.00	Sewer Fund	14-15	50	☐
Sanitary Manhole Construction	various locations	$30,000.00	Sewer Fund	14-15	0	☐
Subtotal 2014-2015		*$247,000.00*				
STORM SEWER						
Collector Tile installed SW Quadrant	Construction in phases - $300,000 total/$50,000/year	$50,000.00	Sewer Fund	14-15	71	☐
Manhole Repairs	Identified through Smoke Testing and Ongoing	$15,000.00	Sewer Fund	14-15	67	☐
Open ditch @ end of W. Chelsea cleanout	200 yards	$2,000.00	Sewer Fund	14-15	29	☐
Subtotal 2014-2015		*$67,000.00*				
NON-MOTORIZED FACILITIES						
Fill sidewalk gaps in City	Throughout City per DPW map ($840,000/$60,000 per year)	$60,000.00	Major/Local Street	14-15	80	☐
Annual Sidewalk Maintenance Program	city-wide on existing sidewalk/ramps	$6,500.00	Major/Local Street	14-15	70	☐
Subtotal 2014-2015		*$66,500.00*				
PARKS AND RECREATION						
Rehab Bathroom Facility - Jack A Park	Interior work and fix doors	$8,000.00	Volunteers/Rec Grant	14-15	62	☐
Parking lot closer to sledding hill - Jack Abernathy Park	Extend existing Gravel Lot	$47,000.00	Recreation Grant	14-15	51	☐
Rehab Bathroom Facility - Jack A Park	Replace Roof	$7,000.00	Recreation Grant	14-15	62	☐
Pavilion for sledding hill w/wood burning pit Jack Abernathy Park		$3,000.00	Volunteers/Golf Comm	14-15	52	☐
Tennis court resurfaced	Jack A	$15,000.00	DCF Grant	14-15	49	☑
Basketball court resurfaced & fence improvements	Jack A	$10,000.00	DCF Grant	14-15	41	☑
Volleyball Court Rehabilitation	Jack A	$5,000.00	General Fund	14-15	0	☑
Resurface Ballfield Parking Lot	Jack A	$26,800.00	Recreation Grant/DCER	14-15	47	☐
Skate park fencing		$6,600.00	Volunteers	14-15	43	☐
New asphalt around concession stand	Repair - Jack A	$17,500.00	Recreation Grant	14-15	43	☐
Subtotal 2014-2015		*$145,900.00*				

City of Davison
2014-2020 Capital Improvement Plan
FY 2014-2015 PROJECTS

PROJECT	Notes	ANTICIPATED COST	POTENTIAL FUNDING SOURCE	PROPOSED FISCAL YEAR	PRIORITY SCORE	In FY14-15 Budget
BUILDING AND GROUNDS						
Address missing lamp post between library and museum		$10,000.00	General Fund	14-15	36	☐
Separate heating/cooling system @ city hall		$20,000.00	General Fund	14-15	37	☐
City Hall Parking Lot Dumpster Enclosure		$20,000.00	General Fund	14-15	0	☑
Subtotal 2014-2015		*$50,000.00*				
EQUIPMENT						
Copier/Printer		$15,000.00	Equipment	14-15		☑
Zero-Turn Mowers (2)	$18,000/mower	$36,000.00	Equipment	14-15		☑
One Patrol Unit		$27,000.00	General Fund	14-15		☑
Subtotal 2014-2015		*$78,000.00*				
GRAND TOTAL 2014 - 2015		**$1,008,400.00**				

City of Davison

200 E. FLINT STREET, SUITE 2
DAVISON, MICHIGAN 48423-1246

TELEPHONE (810) 653-2191
FAX (810) 653-9621

CITY OF DAVISON
RESOLUTION 2014-04

OBJECTING THE PROPOSED LEGISLATION THAT WOULD NEGATIVELY IMPACT TAX INCREMENT FINANCING FOR CITY IMPROVEMENTS

WHEREAS, the City of Davison City Council believes that Tax Increment Financing is important for the economics of the Downtown Development Authority (DDA) and the Local Development Finance Authority (LDFA) districts and the City of Davison as a whole; and,

WHEREAS, the Tax Increment Financing has improved the downtown by having streetscape funding, façade improvement grants to business owners, creating a community garden in the LDFA, and many events that bring people downtown to shop at local businesses; and,

WHEREAS, Tax Increment Financing is a vital part to the DDA and LDFA and have continued future plans for improvements to keep the districts a place where businesses want to be and residents want to frequent.

NOW THEREFORE BE IT RESOLVED, that the City of Davison City Council strongly opposes any change to the Michigan State Statues that would inhibit the City's ability to utilize Tax Increment Financing to finance the needed improvements in the City's DDA and LDFA districts.

_____

Mayor Tim Bishop

Date: February 24, 2014

City of Davison

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CITY OF DAVISON

RESOLUTION 2014-05

WHEREAS, The City of Davison is committed to public education on pollution prevention of storm water; and

WHEREAS, it is important for the public to know just what storm water pollution is; and

WHEREAS, it is important for the public to know how they can prevent storm water pollution in their everyday actions.

NOW THEREFORE BE IT RESOLVED that the City Council of the City of Davison starting in 2014 declares that every year the entire month of May will be declared Storm Water Pollution Prevention Public Education month in the City of Davison.

Adopted this 24th day of February, 2014.

_____

Mayor Tim Bishop

City of Davison

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CITY OF DAVISON
RESOLUTION 2014-06
Schedule of Fees

WHEREAS, the City of Davison, a Michigan municipal corporation, provides a variety of services to residents and non-residents; and,

WHEREAS, many of the aforementioned services are in addition to other serviced funded by local property taxes; and,

WHEREAS, the City desires to charge fees associated with those additional services.

THEN NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Davison does hereby adopt the attached Schedule of Fees.

CONSIDERED AND APPROVED at a regular City Council meeting of the City of Davison on March 10, 2014.

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Tim Bishop, Mayor

Andrea L. Schroeder, City Clerk

CITY OF DAVISON

March 10, 2014

SCHEDULE OF FEES

SCHEDULE PART 1 - PLANNING, ZONING AND APPEAL FEES

A. Rezoning Petitions		$425.00
B. Zoning Ordinance Amendments		$425.00
C. Site Plan Review		
Up to $10,000.00 in Construction Cost		$425.00
$10,001 to $20,000 in Construction Cost		$450.00
$20,001 to $50,000 in Construction Cost		$500.00
$50,001 to $100,000 in Construction Cost		$550.00
Over $100,000 in Construction Cost		$600.00
For New Construction Projects pass on Engineering Review Fees with an escrow account		$1500-$3000
D. Conditional Use Permit Approval		$425.00
E. Zoning/Construction Board of Appeals Hearing/Interpretation		$300.00
F. Zoning/Construction Board of Appeals Hearing/Interpretation - Single Family Residental		$150.00
G. Variance Requests through the ZBA		$300.00
H. Variance Requests through the ZBA - Single Family Residental		$150.00
I. Special Planning Commission/Board of Appeals Meetings	**PLUS REGULAR FEE**	$200.00
J. Preliminary Plat Review		$425.00
K. Final Plan Review	(Plus $5.00 per lot in Plat)	$425.00
L. Zoning Map of City		$1.00
M. Zoning Ordinance Book		$50.00
N. Codified Ordinance Book		$95.00
O. Future Land Use Plan - Master Plan		$75.00
P General Map of City		$1.00
Q Site Plan/Map Removal from City Hall Deposit		$50.00

SCHEDULE PART 2 - SEWER AND WATER DEPARTMENT FEES

A. Water tap-in fee (City)	First Two Units each	$1,000.00
	Each Additional Units	$600.00
B. Water tap-in fee (Subdivider/Developer)	First Two Units each	$600.00
	Each Additional Units	$450.00
C. Water Meter Installation (New)	(5/8' - 3/4" inch) (Minimum Cost)	$450.00
All meter fees include (1) one hour labor installation cost, additional labor time will be billed at $52.60 per hour.	(1" inch) (Minimum Cost)	$600.00
	(1-1/2" inch Turbo/Omni) (Minimum Cost)	$1,550.00
	(2" inch Turbo/Omni) (Minimum Cost)	$1,800.00

Optional Meter (All costs to be paid by property owner)
Water Meter Testing (1 hour minimum at 52.60 per hour) $52.60

D. Water Base Charge per Meter Size per Billing Cycle
The Following fees will have a 2.5% cost of living increase annually for the next three (3) years 2015-2017. This will be reevalulated every three years.

5/8" or 3/4" Meter	$82.35
1" Meter	$115.29
1 1/4" Meter	$131.76
1 1/2" Meter	$148.23
2" Meter	$238.84
3" Meter	$905.90
4" Meter	$1,152.95
6" Meter	$1,729.41
8" Meter	$2,388.25
10" Meter	$3,211.80

Plus $4.79 per 1000 Gallons

E Downsizing of a water meter: Will be at the cost to the owner what a new meter would be for the meter downsizing too. Owner must do all needed plumbing and takes all responsibility if smaller meter is not adequate. Fee for new meter will not be refunded and there will be a 1 hour charge of $52.60 to reinstall the old meter.

F Frozen/Stolen/Damaged meter charge: There will be a charge to replace any frozen or stolen water meter equal to what a meter of the same size is at the time it is needed plus a 1 hour charge of $52.60

G. Hydrants and Sprinklers

Metered Hydrants	$50.00
Unmetered Hydrants	$100.00
Unmetered Sprinkler	$150.00

Hydrant Rental for In City Construction

Hydrants may be rented for in city construction after approval from the DPW Supervisor. The cost will be $300.00 per 30-days and a flat rate of $150.00 for water used per 30 days. Before any use of the hydrant is permitted the contractor must install a RBZ backflow device on the hydrant and provide a certified test report to the DPW. This rental will only be allowed from April 15th through October 31st. The first of the month fees must be paid in advance along with a $500.00 deposit at City Hall before any use of the hydrant.

H. Water System Repair Permit		$50.00
I. Sewer tap-in fee (City)	First Two Units each	$1,000.00
	Each Additional Units	$600.00
J. Sewer tap-in fee (Subdivider/Developer)	First Two Units each	$600.00
	Each Additional Units	$450.00

Note: An Additional Sewer Permit and Fee of $1,000.00 is required from Genesee County Water & Waste.

K. Sewer System Repair Permit		$50.00
L. Sewer Disconnect Inspection		$50.00
M. Camera Inspection up to 1 hour, additional $100.00 per hour		$100.00
N. Sewer Base Charge per Meter Size per Billing Cycle The Following fees will have a 2.5% cost of living increase annually for the next three (3) years 2015-2017. This will be reevalulated every three years.	5/8" or 3/4" Meter	$76.09
	1" Meter	$109.56
	1 1/4" Meter	$126.32
	1 1/2" Meter	$143.07
	2" Meter	$235.12
	3" Meter	$913.08
	4" Meter	$1,164.15
	6" Meter	$1,750.03
	8" Meter	$2,419.59
	10" Meter	$3,256.58

Plus $4.13 per 1000 Gallons (Treatment)

Treatment charge is a charge by the County that may include other charges as it relates to treatment. A County treatment charge increase to the City will be automatically passed-through on the customer's bill. The pass-through charges are for the County treatment portion only, does not include "other charges."

O. Storm Sewer Repair & Installation Inspection Fee		
P. Non-Owner Water/Sewer Deposit		$175.00
Q. Water Turn On Fees	Normal Work Week (8:30 am to 2:30 pm)	$50.00
	Saturdays and after 2:30 pm Weekdays*	$200.00
	Sundays and City Holidays*	$375.00
	*Requires Approval	

R. Bulk Water Sales

All bulk water shall be sold at the DPW yard between the hours of 7:00 am & 2:30 pm M-F. All filling must be set up with DPW staff and the fees must be paid at city hall before filling. Tanks must have an approved air gap for filling.

First Tank Fill up to 500 gallons	$100.00
First Tank Fill over 500 gallons - 1000 gallons	$150.00
First Tank Fill over 1000 gallons	$150.00 + $25.00/1,000 gallons or part of
Additional Tank Fills in same truck on same day up to 500 gallons	$50.00
Additional Tank Fills in same truck on same day up to 1000 gallons	$75.00
Additional Tank Fills in same truck over 1000 gallons	$75.00 + $25.00/1,000 gallons or part of

S. Payment Plans - "Water & Sewer Only" — Please contact City Hall for details.

SCHEDULE PART 3 - BUILDING DEPARTMENT PERMITS AND FEES

A. Permits for New Construction, and Alteration based on Square Foot Cost.

New Construction & Alteration Costs			Permit Fee
$0.00	to	$1,000.00	$80.00 Minimum Fee
$1,001.00	to	$50,000.00	$80.00 + $5.00/$1,000 or part of
$50,001.00	to	$500,000.00	$329.00 + $4.00/$1,000 or part of
$500,001.00	and above		$2,128 + $3.00/$1,000 or part of

(See Additional Attached Detail Fee Schedule)

B. Demolition Permit		$50.00
Water and Sewer Disconnection Deposit		$800.00
C. Moving a Building within City Limits		$250.00
D. Zoning Compliance Certificate (Site Work) Permit		$50.00
Zoning Compliance Site Work Inspection		$75.00
E. Occupancy Permit	Residential	$75.00
	Commercial	$100.00
F. Satellite Dish		$50.00
Small dishes (30" or less) mounted to a roof or wall of a structure for personal use.		N/A
G. Stop Work Order Removal		$100.00
H. Parking Lot Construction	(Plus $4.00 per each 1,000 Sq. Ft.)	$50.00
I. Re-inspections		$50.00
J. Signs	Building Mounted Signs	$50.00
	Freestanding Signs	$50.00
	Temporary/Portable Signs	$50.00
	Off-Site Signage	$200.00
K. Temporary Structures and Tents		$80.00

L. Fence Permit		$80.00
M. Construction Complaint Inspection	(No Permit Required)	$50.00
N. Building Plan Review Fees	Single Family Dwellings per each Unit	$125.00
	Other Structures up to 100,000 Cubic Feet	$200.00
	Other Structures 100,001 to 200,000 Cubic Feet	$250.00
	Other Structures over 200,000 Cubic Feet	$300.00
O. Split/Combination Fee (for the first two parcels)		$50.00
Additional fee per parcel		$20.00
P. Right-of-way Permit	(Restoration Bond of $1,500.00 required)	$80.00
Q. Sidewalk Construction and Repair Permit		$80.00
R. Curb Cut and Driveway Permits		$80.00
S. Weed Cutting/ Snow Removal	(Plus Cost of Cutting/Snow Removal)	$50.00
T. Tree Removal and Replacement Cost		Actual Cost

SCHEDULE PART 4 - POLICE DEPARTMENT FEES

A. All Reports	$10.00
B. Fingerprinting	$20.00
C. PBT Test	$5.00
30 Day PBT Test	$75.00
D. Vehicle Release	$50.00
E. Notary Fee (per occurrence)	$5.00

SCHEDULE PART 5 - PAVILION RENTAL FEES

(All Reservations and Required Fees Must be Made in Person at City Hall, No Exceptions)

Wortman	Capacity 70-80	Community Resident	$80.00
		Non-Resident	$115.00
Lions Club	Capacity 75-85	Community Resident	$70.00
		Non-Resident	$105.00
Front Small	Capacity 25-30	Community Resident	$50.00
		Non-Resident	$75.00
Memorial (Middle Small)	Capacity 24	Community Resident	$40.00
		Non-Resident	$65.00
Back Small	Capacity 24	Community Resident	$40.00
		Non-Resident	$65.00
Clean-up Fee	(If Completed by City DPW)		$85.00

Any cancellations must be made 2 weeks prior to event date. Failure to do so will result in the loss of pavilion rental fee. An administration fee of $15.00 will be charged for all cancellations.

SCHEDULE PART 6 - MISCELLANEOUS PERMITS AND FEES

A. Marriage Ceremony				$75.00
B. Solicitors, Peddlers, & Canvassers Permit			Daily	$50.00
			Monthly	$300.00
C. Copies	Black & White	(8 1/2 X 11. First sheet)		$0.50
		(8 1/2 X 14. First sheet)		$1.00
		(11 X 17. First sheet)		$1.25
		(Each Additional Sheet)		$0.30
	Colored	(8 1/2 x 11. Per Page)		$2.00
		(8 1/2 x 14. Per Page)		$2.50
		(11 x 17. Per Page)		$3.00
		(Each Additional Page)		$1.00
	Copies on CD			$5.00
D. Faxes		(First Sheet)		$2.00
		(Each Additional Sheet)		$1.00
E. Notary Fee - per occurrence				$5.00
F. City of Davison Flag				$45.00
G. Garbage Bags			Per Box of 80	$22.00
			Per Bundle of 20	$7.00
H. Voter Registration List	Per Name on Paper/Email			$0.04
	Labels per Page plus .04 per name			$0.50
	Cost of CD plus .04 per name			$5.00

I. Return Payment Collection Fee (NSF Check)			$35.00
J. ~~Passport Fee~~	~~(for City)~~		~~$25.00~~
	United States Department of State Fees will vary		

K. Business & Gaming Permit Fees

Animal Shows		Per day	$10.00
		Per Month	$200.00
Bowling Alleys per lane			$40.00
Billiard Rooms		Per Table	$40.00
		Per Game	$40.00
Exhibitions		Per Day	$10.00
		Per Month	$200.00
	Public Liability	Each Person	$200,000.00
		Each Occurrence	$600,000.00
		Property Damage Each Occurrence	$50,000.00
Game Rooms per Game			$40.00
Outdoor Assemblies		Per Event	$50.00
	Public Liability	Each Person	$200,000.00
		Each Occurrence	$600,000.00
		Property Damage Each Occurrence	$50,000.00
Annual Off-Site Sign Fee			$100.00
Theaters Annual Fee			$20.00

L. Invoice Late Fee	2% per month on bills not paid 30 days after billing date.	
M. Delinquent Utility Bill Fee	(Tax Roll)	$30.00
N. Delinquent Invoice Fee	Transfer to Taxes	10% of Unpaid Invoice
O. Firewood (downed) Tree Removal in City Parks Permit Program		
First Permit		$25.00
Second and Third Permit		$15.00
P. Chicken Raising Permit (good for 2 years)		$25.00

SCHEDULE PART 7 - DPW PERMITS AND FEES

A. **DPW Construction Inspection Fees**

Base Inspection Fee for New Construction (First 2 hours, hourly rate of $25.00 after)	$50.00
The following are additional fees for construction observation:	
per linear foot for all water main & service leads within the public easement or right-of-way	$1.25
per linear foot for sanitary sewer & service leads within the public easement or right-of-way	$1.25
per linear foot for all storm sewer & service leads within the public easement or right-of-way	$1.25
for all structures (storm, sanitary, & water) each	$15.00
for all taps into water, storm & sanitary mains each	$15.00
for all taps into existing structures or pipes each	$15.00
each hydrant assembly	$15.00
each main line valve	$15.00
each mechanical joint including (T's, 22's, 45's, 90's, etc.)	$15.00
per linear foot for all curbing.	$0.75

Any inspection done before 7:00 a.m. or after 2:30 p.m. will be at a rate of 1 ½ times the inspection fee.
All Saturday hours will be at a rate of 1 ½ times the inspection fee.
All Sunday and Holiday hours will be quoted on a case to case basis.