

**AGENDA
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING**

Wednesday, September 25, 2019

7:00 P.M.

Cascade Branch of the Kent District Library, Wisner Center
2870 Jacksmith, S.E.

Expected Meeting Procedures

1. During public comments you may speak on any item not noted on the agenda for a public hearing.
2. Please limit comments to 3 minutes per person and the Board may or may not choose to respond.
3. Please limit your comments to a specific issue.
4. Please turn OFF cellular phones.

- Article 1. Call to Order, Roll Call**
- Article 2. Pledge of Allegiance to the Flag**
- Article 3. Approval of Agenda**
- Article 4. Presentations**
- Article 5. Public Comments-Anything on the Agenda not scheduled for a public hearing. (limit comments to 3 minutes)**
- Article 6. Approval of Consent Agenda**
- a. Receive and File Various Meeting Minutes
 1. Regular Township Board Minutes 09/11/2019.
 - b. Receive and File Communications
 1. Letter from Grand Valley Metropolitan Council – re: Clean Air Action.
 2. Letters from Charter Communications – re: Upcoming Changes
 3. Public Hearing – State of Michigan – Case No. U-20372
- Article 7. Financial Actions**
- a. **Consider Approval of August, 2019 Payroll, Payables and Transfers.**
 - b. **Consider Approval of August, 2019 Financial Reports.**
- Article 8. Unfinished Business**
None
- Article 9. New Business**
- 069-2019 Consider Approval of Naming Request – Cascade Road Pathway.**
- 070-2019 Consider Approval of Type II Special Use Permit for Day Care Center at 5333 Cascade Road. (Southeast corner of Cascade Rd. and Hall St.**

071-2019 Consider Approval of a Single Family Subdivision located on the South Side of 48th St. just East of M-6.

072-2019 Consider Approval of Contract with Aquatic Consulting Services for Gypsy Moth Population Survey.

073-2019 Consider Approval of Proposal for Fire Station #1 Study.

Article 10 Closed Session

-Pursuant to Open Meetings Act 15.268(e) - To Discuss Potential Acquisition of Commercial Property.

Article 11. Public Comments – Any comments...whether it is on the Agenda or not. (limit comments to 3 minutes)

Article 12. Manager Comments

Article 13. Board Member Comments

Article 14. Adjournment

**MINUTES OF THE
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING**

Wednesday, September 11, 2019

7:00 P.M.

- Article 1.** Supervisor Beahan called the meeting to order.
Present: Supervisor Beahan, Clerk Slater, Treasurer Peirce, Trustees Koessel, McDonald, Lewis and Shipley.
Absent: None
Also Present: Manager Swayze and those listed in Supplement #1.
- Article 2.** Supervisor Beahan led the Pledge of Allegiance to the Flag.
- Article 3.** Motion was made by Trustee Koessel and supported by Trustee Shipley to approve the Agenda as presented. Motion carried unanimously.
- Article 4. Presentations**
- **KDL 2018 Annual Report**
Presentation was made by Chuck Meyers, Vanessa Walstra and Lance Werner.
- Article 5. Public Comments-Anything on the Agenda not scheduled for a public hearing. (limit comments to 3 minutes)**
- Article 6. Approval of Consent Agenda**
- a. Receive and File Various Meeting Minutes
 - 1. Regular Township Board Minutes 08/28/2019.
 - b. Receive and File Reports
 - 1. Treasurer's Report for July, 2019
 - 2. Building Department Report for August, 2019
 - c. Education Requests
 - 1. Ben Swayze, International City Management Association Annual Conference – October 20-23 – Nashville, TN.
 - 2. Ron Sabin, COCM Fall Conference – September 23-27 – Bellaire, MI.
 - 3. Julie Kutchins – 2019 MERS Conference - October 3-4 – Traverse City.
- Motion was made by Trustee Shipley and supported by Trustee Lewis to approve the Consent Agenda as presented. Motion carried unanimously.
- Article 7. Financial Actions**
- a. **Consider Approval of Pay Draw #1 for the Centennial Park Sidewalks & Medians Project.**
Motion was made by Trustee McDonald and supported by Trustee Koessel to approve the Pay Draw #1 for the Centennial Park Sidewalks and Medians Project in the amount of \$164,251.86. Motion carried unanimously.
- Article 8. Unfinished Business**

- Article 9. New Business**
067-2019 Consider Resolution for “Prisoner of War/Missing in Action Recognition Day”.
 Motion was made by Trustee Koessel and supported by Trustee Shipley to approve the Resolution for “Prisoner of War/Missing in Action Recognition Day.” Motion carried unanimously.
- 068-2019 Consider Approval of 30th Street Cemetery Expansion Project – Maintenance Garage.**
 Manager Swayze reviewed the project with the Board. Motion was made by Trustee Koessel and supported by Trustee McDonald to approve the 30th Street Cemetery Expansion Project – Maintenance Garage to Blackstar in the amount of \$91,610.00. Discussion followed. Motion carried unanimously.

Article 10. Public Comments – Any comments...whether it is on the Agenda or not. (limit comments to 3 minutes)
 Jacob Bandstra, 2779 Thornapple River Dr., wanted to thank everyone for putting together the Master Plan as you did...transparency etc.

Article 11. Manager Comments
 Manager Swayze offered the following comments:

- The Local Street work has been “stop n’ go” over the past month.
- Electric Cheetah has announced they are going to open a new restaurant in Cascade Twp.

Article 12. Board Member Comments
 Trustee Shipley offered the following comments:

- Thanked all in the office for coming.

Trustee McDonald offered the following comments:

- Thanked Mr. Bandstra for his comments regarding the Master Plan.

Article 13. Adjournment
 Motion was made by Treasurer Peirce and supported by Trustee Shipley to adjourn. Motion carried unanimously.

Meeting adjourned at 7:29 p.m.

Respectfully submitted,

Denise M. Biegalle
 Deputy Clerk

Approved by:

Susan B. Slater, Clerk

Robert S. Beahan, Supervisor



GRAND VALLEY METROPOLITAN COUNCIL

ADA TOWNSHIP • ALGOMA TOWNSHIP • ALLENDALE TOWNSHIP • ALPINE TOWNSHIP • BELDING • BYRON TOWNSHIP • CALEDONIA • CALEDONIA TOWNSHIP • CANNON TOWNSHIP • CASCADE TOWNSHIP
CEDAR SPRINGS • COOPERSVILLE • COURTLAND TOWNSHIP • EAST GRAND RAPIDS • GAINES TOWNSHIP • GEORGETOWN TOWNSHIP • GRAND RAPIDS • GRAND RAPIDS TOWNSHIP • GRANDVILLE
GREENVILLE • HASTINGS • HUDSONVILLE • IONIA • JAMESTOWN TOWNSHIP • KENT COUNTY • KENTWOOD • LOWELL • LOWELL TOWNSHIP • MIDDLEVILLE • NELSON TOWNSHIP
OTTAWA COUNTY • PLAINFIELD TOWNSHIP • ROCKFORD • SAND LAKE • SPARTA • TALLMADGE TOWNSHIP • WALKER • WAYLAND • WYOMING

September 9, 2019

Mr. Ben Swayze
Cascade Township
2865 Thornhills Avenue SE
Grand Rapids, MI 49546

Dear Ben:

Now that fall is upon us and the Clean Air Action display has finished circulating through the area, I wanted to take a moment to thank you for being a host location. Asking cities, townships, libraries and other organizations to host the Clean Air Action display is one of the three principal ways through which we educate the public about air quality, with the other two ways being our annual radio/television campaign and participation in community fairs and events.

This year, the display made its way to 13 different cities, townships, libraries, and organizations over the spring, summer and fall. Just like past years, no matter where the display was placed, the freebies and information disappeared very quickly, which meant that you played a big role in getting information about our program into the hands of the public. Thank you for supporting the Clean Air Action program by participating in this effort!

I would certainly appreciate your willingness to host the display again next year. Also, if you are aware of any upcoming events within your community in which I could participate and represent the Clean Air Action program, please let me know. My contact information is below.

Sincerely,

A handwritten signature in cursive script that reads "Andrea Faber".

Andrea Faber
Clean Air Action Program Coordinator
616.776.7603
andrea.faber@gvmc.org



September 6, 2019



T4 P1 593 *****AUTO**ALL FOR AADC 493
Cascade Township
2865 Thornhills Ave. SE
Grand Rapids, MI 49546-7195

Re: Charter Communications – Upcoming Changes

Dear Franchise Official:

At Charter, locally known as Spectrum, we continue to enhance our services in order to offer more entertainment and communication choices, and to deliver the best value to our customers. We are committed to offering our customers with products and services we are sure they will enjoy.

Programming fees charged by TV networks we carry are the greatest single factor in higher cable prices, and continue to rise. Despite our best efforts to control these costs, this has resulted in a change in the rates we charge our customers.

Effective on or after September 6, 2019, customers are being noticed via bill message of the following monthly pricing changes, which will take effect on or after October 6, 2019. Customer promotional rates will not change until the end of the promotion period.

Services/Products/Equipment	Pricing Adjustment
Broadcast TV Surcharge	Will increase by \$1.51. This reflects the costs incurred from local Broadcast TV Stations
Spectrum Receiver	Will increase by \$0.49 per receiver
Digital Adapter	Will increase by \$2.00 per adapter
Spectrum TV Select	Will increase by \$7.50
Spectrum TV Silver	Will increase by \$7.50
Spectrum TV Gold	Will increase by \$7.50

If you have any questions about this change, please feel free to contact me at (616) 607-2377.

Sincerely,

Marilyn Passmore
Director, Charter State Government Affairs, Michigan
Charter Communications



September 13, 2019

T4 P1578 *****AUTO**ALL FOR AADC 493

Cascade Township
2865 Thornhills Ave. SE
Grand Rapids, MI 49546-7195



Re: Charter Communications - Upcoming Changes

Dear Franchise Official:

Charter Communications, locally known as Spectrum, is making the following changes to our channel lineup for customers in Cascade Township:

New channel addition: ACC Network - The Atlantic Coast Conference. With 40 football games, 150 men's and women's basketball games and 250 Olympic sports events, ACC Network is a new place for sports on SPP Tier 1 channel 238.

Fox College Sports: Effective 10/15/19, Fox College Sports on Digi Tier 2/Spectrum TV Gold & Sports View channels 213, 214, & 215 will no longer be available.

Disney Family Movies OnDemand: Effective 10/31/2019, Disney Family Movies Video On Demand service on channel 999 will be discontinued by the network.

ESPN Classic: Effective 10/31/2019, ESPN Classic on Digi Tier 2/Spectrum TV Gold & Sports View channel 208 will no longer be available.

Spectrum customers in your community are already receiving information regarding these changes. To view a current Spectrum channel lineup visit www.spectrum.com/channels. We remain committed to providing an excellent experience for our customers, in your community and in each of the communities we serve.

Should you have any questions about these changes, please feel free to contact me at (616) 607-2377.

Sincerely,

Marilyn Passmore
Director, Charter State Government Affairs, Michigan

**STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION
NOTICE OF HEARING
FOR THE ELECTRIC AND GAS CUSTOMERS OF
CONSUMERS ENERGY COMPANY
CASE NO. U-20372**

- Consumers Energy Company requests that the Michigan Public Service Commission approve of its 2020-2023 Energy Waste Reduction plan.
- The information below describes how a person may participate in this case.
- You may call or write Consumers Energy Company, One Energy Plaza, Jackson, MI 49201, 517-788-0550 for a free copy of its application. Any person may review the documents at the offices of Consumers Energy Company.
- A pre-hearing will be held:

DATE/TIME: Wednesday, October 2, 2019, at 9:00 AM BEFORE:

Administrative Law Judge Sally Wallace

LOCATION: Michigan Public Service Commission
7109 West Saginaw Highway Lansing, Michigan 48917

PARTICIPATION: Any interested person may attend and participate. The hearing site is accessible, including handicapped parking. Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 284-8090 in advance to request mobility, visual, hearing or other assistance.

The Michigan Public Service Commission (Commission) will hold a pre-hearing to consider Consumers Energy Company's (Consumers Energy) August 1, 2019 application requesting the Commission to approve: 1) Consumers Energy's proposed 2020-2023 Energy Waste Reduction (EWR) Plan proposing for electric: approximately \$137.3 million in 2020, \$157.2 million in 2021, \$161.5 million in 2022, and \$164.4 million in 2023, and for natural gas: approximately \$67.1 million in 2020, \$66.4 million in 2021, \$67.7 million in 2022, and \$69.2 million in 2023; 2) the requested 2020-2023 EWR Plan natural gas and electric surcharges; 3) the requested accounting authority described to roll forward any unspent funds into future approved EWR plans, and to pull back up to 5% of the following year's total electric and gas budget to be invested in the then-current year, if needed; 4) issuance of the tariff sheets; 5) Consumers Energy's EWR incentive proposal; and 6) other relief.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: michigan.gov/mpscedockets. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: mpscedockets@michigan.gov. If you require assistance prior to e-filing, contact Commission staff at (517) 284-8090 or by email at: mpscedockets@michigan.gov.

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by September 25, 2019. (Interested persons may elect to file using the traditional paper format.) The proof of service shall indicate service upon Consumers Energy Company's Legal Department – Regulatory Group, One Energy Plaza, Jackson, MI 49201.

Any person wishing to appear at the hearing to make a statement of position without becoming a party to the case may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter becomes public information, thus available on the Michigan Public Service Commission's website, and subject to disclosure. Please do not include information you wish to remain private.

Requests for adjournment must be made pursuant to Michigan Office of Administrative Hearings and Rules R 792.10422 and R 792.10432. Requests for further information on adjournment should be directed to (517) 284-8130.

A copy of Consumers Energy Company's application may be reviewed on the Commission's website at: michigan.gov/mpscedockets, and at the office of Consumers Energy Company. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 284-8090.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1909 PA 300, as amended, MCL 462.2 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; 2008 PA 295, as amended, MCL 460.1001 et seq., and Parts 1 & 4 of the Michigan Office of Administrative Hearings and Rules, Mich. Admin Code, R 792.10106 and R 792.10401 through R 792.10448.

**[THE MICHIGAN PUBLIC SERVICE COMMISSION MAY
APPROVE, REJECT, OR AMEND PROPOSALS MADE BY
CONSUMERS ENERGY.]**

CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 08/01/2019 - 08/31/2019

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
FUND 101 - GENERAL FUND							
08/01/2019	GENF	69770	ALIGNED PLANNING	SERVICES RELATED TO CASCADE MASTER PLAN	967-000	721	1,020.00
08/01/2019	GENF	69773	CONTROL LOGIC	STEVES PC, LIBRARY TO OFFICES CONNECTION	931-000	265	1,562.00
08/01/2019	GENF	69775	FRUIT BASKET FLOWERLAND	REPLACEMENT FLOWERS FOR TASSELL	935-000	756	367.36
08/01/2019	GENF	69776*#	THE HOME DEPOT CREDIT SERVICES	COMPLEX MAINTENANCE	931-000	265	190.40
08/01/2019	GENF	69776	THE HOME DEPOT CREDIT SERVICES	FOURTH OF JULY	881-000	295	23.97
				CHECK GENF 69776 TOTAL FOR FUND 101:			214.37
08/01/2019	GENF	69780	MARSHALL & SWIFT	RENEWAL OF MARSHALL VALUATION SERVICE	939-000	257	649.20
08/01/2019	GENF	69781	ROGER MC CARTY	ASSESSING MILEAGE	860-000	257	70.94
08/01/2019	GENF	69782	MCDONALD PLUMBING	FIXED TOILET, DRINKING FOUNTAIN	935-000	756	420.02
08/01/2019	GENF	69783*#	MIDSTATE SECURITY CO.	BATTERY REPLACEMENT	931-000	265	135.00
08/01/2019	GENF	69784*#	MINER SUPPLY COMPANY	COMPLEX MAINTENANCE	931-000	265	103.50
08/01/2019	GENF	69785*#	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) GF	231-220	000	11.70
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) FIRE	231-220	000	19.50
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) BLDG	231-220	000	3.90
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) GF	231-221	000	17.00
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) FIRE	231-221	000	36.00
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) GF	231-221	000	78.10
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) FIR	231-221	000	223.30
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) BLDG	231-221	000	50.00
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	34.73
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	228.38
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	593.69
				CHECK GENF 69785 TOTAL FOR FUND 101:			1,296.30
08/01/2019	GENF	69786	STEVEN A PETERSON	COMM DEV MILEAGE	860-000	721	34.80
08/01/2019	GENF	69786	STEVEN A PETERSON	MEETING MEAL	862-500	721	37.21
				CHECK GENF 69786 TOTAL FOR FUND 101:			72.01
08/01/2019	GENF	69787	PHOENIX RESOURCES	JULY 2019 STORM DAMAGE DUMPSTERS	818-000	447	11,700.00
08/01/2019	GENF	69789*#	REPUBLIC SERVICES	COMPLEX MAINTENANCE REPUBLIC	931-000	265	869.53
08/01/2019	GENF	69789	REPUBLIC SERVICES	PARK MAINTENANCE REPUBLIC	935-000	756	390.27
				CHECK GENF 69789 TOTAL FOR FUND 101:			1,259.80
08/01/2019	GENF	69790	SHRED-IT USA	SPRING/FALL CLEAN-UP	820-000	447	4,007.50
08/01/2019	GENF	69791	SLATER, SUE	REIMBURSE 106.5 MILES- S. SLATER	860-000	215	61.77
08/01/2019	GENF	69791	SLATER, SUE	CLERK CELL PHONE- S. SLATER	925-000	215	50.00
				CHECK GENF 69791 TOTAL FOR FUND 101:			111.77
08/01/2019	GENF	69792	SUPPLYGEEKS.BIZ	GENERAL FUND OFFICE SUPPLIES	727-000	295	34.84
08/01/2019	GENF	69793	SWAYZE, BENJAMIN	REIMBURSE 492 MILES AND MEALS- B. SWAYZE	724-000	171	335.77
08/01/2019	GENF	69793	SWAYZE, BENJAMIN	SUPERVISOR MILEAGE	860-000	171	259.84
08/01/2019	GENF	69793	SWAYZE, BENJAMIN	REIMBURSE 288 MILES- B. SWAYZE	860-000	171	167.04
				CHECK GENF 69793 TOTAL FOR FUND 101:			762.65
08/01/2019	GENF	69796*#	WINDSTREAM	CELL PHONES/DATA	924-100	295	194.05
08/01/2019	GENF	69796	WINDSTREAM	PARK PHONES	924-000	756	129.37
				CHECK GENF 69796 TOTAL FOR FUND 101:			323.42
08/02/2019	GENF	5510(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	** VOIDED **
08/02/2019	GENF	5512(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	DRAIN ENGINEERING	821-000	445	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	DRAIN ENGINEERING	821-000	445	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	CAPITAL OUTLAY - LANDIMP	974-000	901	** VOIDED **

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	CAPITAL OUTLAY - BLDGIMP	975-000	901	** VOIDED **
08/02/2019	GENF	5515(A)	SABO PUBLIC RELATIONS	SPECIAL PROJECTS	967-000	295	** VOIDED **
08/02/2019	GENF	5525(A)	X-CEL CHEMICAL SPECIALTIES CO.	HARD WATER MINERAL SHOCK QUARTS	935-000	756	** VOIDED **
08/06/2019	GENF	5527(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	1,769.80
08/06/2019	GENF	5529(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	2,525.00
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	737.00
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING COSTS	821-000	295	165.00
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	DRAIN ENGINEERING	821-000	445	2,697.85
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	DRAIN ENGINEERING	821-000	445	330.00
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	CAPITAL OUTLAY - LANDIMP	974-000	901	5,457.47
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	CAPITAL OUTLAY - BLDGIMP	975-000	901	1,014.00
				CHECK GENF 5529(A) TOTAL FOR FUND 101:			12,926.32
08/06/2019	GENF	5532(A)	SABO PUBLIC RELATIONS	SPECIAL PROJECTS	967-000	295	4,327.80
08/06/2019	GENF	5542(A)	X-CEL CHEMICAL SPECIALTIES CO.	HARD WATER MINERAL SHOCK QUARTS	935-000	756	306.00
08/08/2019	GENF	69798	123NET	EVC 100708	924-000	265	699.00
08/08/2019	GENF	69798	123NET	EVC 100709	924-000	265	699.00
				CHECK GENF 69798 TOTAL FOR FUND 101:			1,398.00
08/08/2019	GENF	69800	APEX SOFTWARE	SOFTWARE LICENSES	939-000	257	705.00
08/08/2019	GENF	69801	ASSOCIATION OF PUBLIC	ASSOC OF PUBLIC TREASURERS MEMBERSHIP	723-000	253	285.00
08/08/2019	GENF	69803	ROBERT BEAHAN	SUPERVISOR MILEAGE	860-000	171	30.16
08/08/2019	GENF	69803	ROBERT BEAHAN	SUPERVISOR CELL PHONE	925-000	171	50.00
				CHECK GENF 69803 TOTAL FOR FUND 101:			80.16
08/08/2019	GENF	69807	GARY BUTTS	PARK INCOME	671-653	000	25.00
08/08/2019	GENF	69808	B&V MECHANICAL INC.	COMPLEX MAINTENANCE	931-000	265	955.41
08/08/2019	GENF	69812	CONSUMERS ENERGY	STREETLIGHTING ACCT #1030 3406 2978	926-000	448	67.00
08/08/2019	GENF	69812	CONSUMERS ENERGY	STREETLIGHTING	926-000	448	10,882.11
				CHECK GENF 69812 TOTAL FOR FUND 101:			10,949.11
08/08/2019	GENF	69814*#	DTE ENERGY	COMPLEX HEATING DTE ENERGY	923-000	265	57.85
08/08/2019	GENF	69814	DTE ENERGY	MUSEUM HEATING DTE ENERGY	923-000	803	36.87
				CHECK GENF 69814 TOTAL FOR FUND 101:			94.72
08/08/2019	GENF	69815*	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS	718-000	850	218.56
08/08/2019	GENF	69816	FRUIT BASKET FLOWERLAND	ALTHEA PURPLE PILLAR	961-000	803	359.92
08/08/2019	GENF	69817	GRAINGER	PARK OPERATING SUPPLIES	756-000	756	56.24
08/08/2019	GENF	69824	MID-MICHIGAN ASSOC OF ASSESSING OFC	MMAAO CONF REG - J. GENTER	724-000	257	20.00
08/08/2019	GENF	69825	OCC OUTDOORS	30 DOME TOPS WITH DOORS	756-000	756	2,073.26
08/08/2019	GENF	69826	OROSZ, KURT	LEGAL FEES- TAX ATRAIN FITNESS LLC	826-000	295	62.10
08/08/2019	GENF	69827	PITNEY BOWES INC	POSTAGE TAPE SHEETS	730-000	295	56.52
08/08/2019	GENF	69831	SCHNELKER RASSI & MCCONNELL PLC	PLANNING AND ZONING FEES	600-608	000	40.00
08/08/2019	GENF	69834*#	VERIZON WIRELESS	MANAGERS CELL PHONE	925-000	171	63.74
08/08/2019	GENF	69834	VERIZON WIRELESS	BLDG AND GROUNDS CELL PHONES	924-100	265	185.80
08/08/2019	GENF	69834	VERIZON WIRELESS	COMM DEV CELL/DATA	925-000	721	103.92
				CHECK GENF 69834 TOTAL FOR FUND 101:			353.46
08/08/2019	GENF	69835	WEST MICH DOCUMENT SHREDDING LLC	COMPLEX MAINTENANCE	931-000	265	165.00
08/09/2019	GENF	5543(A)*#	CONSUMERS ENERGY	100000285161 2865 THORNHILLS AVE SE	921-000	265	2,145.23
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012052419 6569 THORNBROOK ST SE	921-000	265	25.81
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	103023462197 2867 THORNHILLS AVE SE	921-000	265	28.27
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012548051 5601 WHITNEYVILLE AVE SE	921-000	276	25.40
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012957591 7200 30TH ST SE	921-000	276	29.50

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08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100011965082 2870 JACK SMITH AVE SE	926-000	448	97.59
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100014570673 3804 THORNAPPLE RIVE	921-000	756	224.08
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100014570889 3820 THORNAPPLE RIVER D	921-000	756	45.13
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012592265 2900 THORNAPPLE RIVER DR	921-000	756	215.55
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012592398 2839 THORNAPPLE RIVER DR	921-000	803	116.99
				CHECK GENF 5543(A) TOTAL FOR FUND 101:			2,953.55
08/09/2019	GENF	5548(A)*#	KONICA MINOLTA BUSINESS SOLUTIONS	C558 PRINTING COSTS	900-000	295	189.25
08/09/2019	GENF	5548(A)	KONICA MINOLTA BUSINESS SOLUTIONS	C308 PRINTING COSTS	900-000	295	49.12
08/09/2019	GENF	5548(A)	KONICA MINOLTA BUSINESS SOLUTIONS	C308 PRINTING COSTS	900-000	295	62.67
				CHECK GENF 5548(A) TOTAL FOR FUND 101:			301.04
08/09/2019	GENF	5560(A)*#	WEX BANK	FUEL	864-000	265	1,846.84
08/15/2019	GENF	69837	ADA TOWNSHIP	COMPREENEW	820-000	447	8,125.88
08/15/2019	GENF	69837	ADA TOWNSHIP	SHRED IT	820-000	447	1,145.00
08/15/2019	GENF	69837	ADA TOWNSHIP	REPUBLIC	820-000	447	12,056.79
				CHECK GENF 69837 TOTAL FOR FUND 101:			21,327.67
08/15/2019	GENF	69838	AMERICAN PLANNING ASSOCIATION	APA SEPT 2019 CONF - L.KRIETER	724-000	721	** VOIDED **
08/15/2019	GENF	69839	AMERICAN PLANNING ASSOCIATION	APA SEPT 2019 CONF - S.PETERSON	724-000	721	** VOIDED **
08/15/2019	GENF	69840	CASCADE CHARTER TOWNSHIP	TRANSFER TO FIRE FUND	999-006	965	33,333.33
08/15/2019	GENF	69841*#	CINTAS	2019 RUG CLEANING SERVICE COMPLEX	931-000	265	176.92
08/15/2019	GENF	69842	COMMUNITY MEDIA CENTER	CABLE EQUIPMENT GRANTS - 2018 PEG FEES	951-000	295	35,000.00
08/15/2019	GENF	69842	COMMUNITY MEDIA CENTER	COMMUNITY MEDIA CENTER - 2019 CONTRIB	955-000	295	5,000.00
				CHECK GENF 69842 TOTAL FOR FUND 101:			40,000.00
08/15/2019	GENF	69843	DECADE PRODUCTS, LLC	PLANNING AND ZONING FEES	600-608	000	350.00
08/15/2019	GENF	69844*#	FRUIT BASKET FLOWERLAND	MUSEUM MAINTENANCE	961-000	803	62.97
08/15/2019	GENF	69845	FOX FORD MAZDA	VEHICLE MAINT	863-000	265	39.16
08/15/2019	GENF	69846	GODWIN HARDWARE & PLUMBING	PARK MAINTENANCE	935-000	756	21.87
08/15/2019	GENF	69847	GRAINGER	PARK MAINTENANCE	935-000	756	91.77
08/15/2019	GENF	69847	GRAINGER	PARK MAINTENANCE	935-000	756	30.59
				CHECK GENF 69847 TOTAL FOR FUND 101:			122.36
08/15/2019	GENF	69848*#	GRAND RAPIDS CITY TREASURER	COMPLEX WATER-SEWER WS2042252	927-000	265	2,494.54
08/15/2019	GENF	69849	INTEGRITY BUSINESS SOLUTIONS, LLC	OFFICE SUPPLIES	727-000	295	157.00
08/15/2019	GENF	69852	KENT COUNTY DRAIN COMMISSION	DRAIN MAINTENANCE	816-000	445	76.40
08/15/2019	GENF	69853	KENT COUNTY - HEALTH DEPT	PARK MAINTENANCE	935-000	756	84.00
08/15/2019	GENF	69856	MIDSTATE SECURITY CO.	TROUBLE SHOOTING	931-000	265	1,225.00
08/15/2019	GENF	69857	MINER SUPPLY COMPANY	PARK OPERATING SUPPLIES	756-000	756	229.80
08/15/2019	GENF	69858#	MLIVE MEDIA GROUP	LACKS IFT LEGAL AD	900-000	257	167.50
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	LACKS IFT LEGAL AD	900-000	257	136.00
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	SHERIDAN IFT LEGAL AD	900-000	257	167.50
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	MARIHUANA LEGAL AD	900-000	295	157.00
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	BOND ISSUE LEGAL AD	900-000	295	739.30
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	AFFIDAVIT WALMART 18:3435	900-000	721	342.10
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	LOHR 19:3539 LEGAL AD	900-000	721	146.50
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	GORSUCH 19:3540 LEGAL AD	900-000	721	146.50
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	CHICKFILA 19:3533 LEGAL AD	900-000	721	115.00
08/15/2019	GENF	69858	MLIVE MEDIA GROUP	DYKEMA 18:3450 LEGAL AD	900-000	721	452.40
				CHECK GENF 69858 TOTAL FOR FUND 101:			2,569.80
08/15/2019	GENF	69859*#	MUNIWEB	WEBSITE HOSTING	815-000	295	238.00
08/15/2019	GENF	69860	AARON NEWTON	TREASURER MILEAGE - A.NEWTON	860-000	253	54.52
08/15/2019	GENF	69861*#	CASH - GENERAL FUND	MISCELLANEOUS - KITCHEN SUPPLIES	787-000	295	7.12
08/15/2019	GENF	69861	CASH - GENERAL FUND	LEGAL FEES	826-000	295	30.00

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				CHECK GENF 69861 TOTAL FOR FUND 101:			37.12
08/15/2019	GENF	69867*#	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	101	56.15
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	925-000	171	37.43
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	925-000	215	37.44
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	253	18.72
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	257	18.72
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	265	37.44
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	295	18.72
08/15/2019	GENF	69867	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	925-000	721	37.43
				CHECK GENF 69867 TOTAL FOR FUND 101:			262.05
08/15/2019	GENF	69869	MICHIGAN ASSOCIATION OF	APA SEPT 2019 CONF - L. KRIETER	724-000	721	265.00
08/15/2019	GENF	69870	MICHIGAN ASSOCIATION OF	APA SEPT 2019 CONF - S. PETERSON	724-000	721	390.00
08/16/2019	GENF	5562(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEP	721-000	850	1,769.80
08/16/2019	GENF	5563(A)	EASTERN FLORAL & GIFTS	PLANT MAINTENANCE - PLANTSCAPE AUG 2019	787-000	295	54.00
08/16/2019	GENF	5564(A)	I T RIGHT	SERVICE REMOTE BACKUP 9/1-2018-8/31/2019	932-000	265	500.00
08/16/2019	GENF	5569(A)*#	THORNAPPLE RIVER NURSERY, INC.	COMPLEX MAINTENANCE	931-000	265	14.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	TOWNSHIP OFFICE	931-000	265	96.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	TOWNSHIP OFFICE	931-000	265	40.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	CEMETERY MAINT	932-000	276	125.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	TASSELL PARK	935-000	756	202.00
				CHECK GENF 5569(A) TOTAL FOR FUND 101:			477.00
08/22/2019	GENF	69873	BLOOM SLUGGETT, PC	ROUNDHILL LEGAL FEES	826-000	295	2,160.00
08/22/2019	GENF	69878*#	FIRST BANKCARD	MML EXECUTIVE SUMMER WORKSHOP- B. SWAYZE	724-000	171	120.00
08/22/2019	GENF	69878	FIRST BANKCARD	SUPERVISOR MILEAGE	860-000	171	3.00
08/22/2019	GENF	69878	FIRST BANKCARD	LUNCH MEETING	862-550	171	38.27
08/22/2019	GENF	69878	FIRST BANKCARD	VEHICLE MAINT	863-000	265	15.26
08/22/2019	GENF	69878	FIRST BANKCARD	COMPLEX PHONES	924-000	265	0.99
08/22/2019	GENF	69878	FIRST BANKCARD	FACEBOOK ADS JUL 2019	787-000	295	218.52
08/22/2019	GENF	69878	FIRST BANKCARD	MISCELLANEOUS	787-000	295	180.51
08/22/2019	GENF	69878	FIRST BANKCARD	COMM DEV EXPENSE ACCOUNT	862-500	721	23.48
				CHECK GENF 69878 TOTAL FOR FUND 101:			600.03
08/22/2019	GENF	69879*#	FIRST BANKCARD	OFFICE SUPPLIES	727-000	295	38.34
08/22/2019	GENF	69879	FIRST BANKCARD	RENEW PRIME MEMBERSHIP AUG 2019	787-000	295	12.99
08/22/2019	GENF	69879	FIRST BANKCARD	LEGAL FEES	826-000	295	100.00
08/22/2019	GENF	69879	FIRST BANKCARD	COMM DEV SUPPLIES	727-000	721	74.93
08/22/2019	GENF	69879	FIRST BANKCARD	COMM DEV SUPPLIES	727-000	721	95.73
08/22/2019	GENF	69879	FIRST BANKCARD	COMM DEV SUPPLIES RETURN	727-000	721	(49.74)
				CHECK GENF 69879 TOTAL FOR FUND 101:			272.25
08/22/2019	GENF	69881	GENERAL CODE	ECODE 360 ANNUAL MAINTENANCE	787-000	295	995.00
08/22/2019	GENF	69885*#	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 28TH ST	861-100	652	2,163.75
08/22/2019	GENF	69885	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 28TH ST	861-100	652	14,353.79
				CHECK GENF 69885 TOTAL FOR FUND 101:			16,517.54
08/22/2019	GENF	69887	KENT COUNTY ROAD COMMISSION	MILL AND FILL	821-000	446	223,199.74
08/22/2019	GENF	69887	KENT COUNTY ROAD COMMISSION	PAVING- QUIGGLE AVE	821-500	446	479.65
				CHECK GENF 69887 TOTAL FOR FUND 101:			223,679.39
08/22/2019	GENF	69888	KENT COMMUNICATIONS INC.	4 NEWSLETTERS AND MAILING	885-000	295	1,771.12
08/22/2019	GENF	69891*#	MINER SUPPLY COMPANY	PARK OPERATING SUPPLIES	756-000	756	153.06
08/22/2019	GENF	69892	MKSK	SPECIAL PROJECTS	967-000	721	1,619.35
08/22/2019	GENF	69892	MKSK	SPECIAL PROJECTS	967-000	721	978.75
				CHECK GENF 69892 TOTAL FOR FUND 101:			2,598.10
08/22/2019	GENF	69893	OROSZ, KURT	LEGAL FEES- GFMS, LLC HECTOR GARCES	826-000	295	131.20
08/22/2019	GENF	69894	PLANNING & ZONING CENTER INC	SUBSCRIPTION TO PLANNING & ZONING NEWS	900-000	721	185.00
08/22/2019	GENF	69896*#	PITNEY BOWES RESERVE ACCOUNT	POSTAGE - GENERAL	730-000	295	2,700.00

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08/22/2019	GENF	69897	RIVERHOUSE	COMM DEV UNIFORMS	768-000	721	150.82
08/22/2019	GENF	69901*#	SUPERIOR PEST CONTROL INC	PEST CONTROL SERVICE AUG	931-000	265	50.00
08/22/2019	GENF	69901	SUPERIOR PEST CONTROL INC	PEST CONTROL SERVICE AUG	961-000	803	45.00
				CHECK GENF 69901 TOTAL FOR FUND 101:			95.00
08/22/2019	GENF	69905	VARNUM	LEGAL FEES JULY 2019	826-000	295	266.00
08/22/2019	GENF	69905	VARNUM	LEGAL FEES JULY 2019	826-000	295	810.50
08/22/2019	GENF	69905	VARNUM	LEGAL FEES JULY 2019	826-000	295	38.00
				CHECK GENF 69905 TOTAL FOR FUND 101:			1,114.50
08/22/2019	GENF	69908	WMLGMA	WMME MEMBERSHIP 2018-2019	723-000	171	125.00
08/23/2019	GENF	33(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000	850	17,408.22
08/23/2019	GENF	5577(A)	HOPE NETWORK	TRANSPORTATION SERVICES JULY 2019	859-000	652	1,103.65
08/23/2019	GENF	5580(A)*#	KINGSLAND'S ACE HARDWARE	VEHICLE MAINT	863-000	265	5.39
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	VEHICLE MAINT	863-000	265	7.19
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	COMPLEX MAINTENANCE	931-000	265	37.77
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FOURTH OF JULY	881-000	295	41.37
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FOURTH OF JULY	881-000	295	30.64
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	89.30
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	6.29
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	11.86
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	6.29
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	15.28
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	47.82
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	26.99
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	32.38
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	6.83
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE	935-000	756	(20.00)
				CHECK GENF 5580(A) TOTAL FOR FUND 101:			345.40
08/23/2019	GENF	5583(A)	SABO PUBLIC RELATIONS	MEDIA RELATIONS JULY 2019	967-000	295	706.05
08/23/2019	GENF	5583(A)	SABO PUBLIC RELATIONS	IN-HOUSE COMMUNICATIONS JULY 2019	967-000	295	4,102.20
				CHECK GENF 5583(A) TOTAL FOR FUND 101:			4,808.25
08/29/2019	GENF	69910	B&V MECHANICAL INC.	FLOOR HEAT PUMP TURNED OFF	931-000	265	82.00
08/29/2019	GENF	69910	B&V MECHANICAL INC.	WASHED, RECHARGED WHILE MOVING	931-000	265	1,154.50
				CHECK GENF 69910 TOTAL FOR FUND 101:			1,236.50
08/29/2019	GENF	69914*#	COMCAST	COMPLEX PHONES	924-000	265	168.62
08/29/2019	GENF	69914	COMCAST	PARK PHONES	924-000	756	22.99
				CHECK GENF 69914 TOTAL FOR FUND 101:			191.61
08/29/2019	GENF	69915*#	COMCAST	COMPLEX PHONES	924-000	265	229.90
08/29/2019	GENF	69922*#	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) GF SEPT 2019	231-220	000	11.70
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) FIRE SEPT 2019	231-220	000	19.50
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	DEPENDENT LIFE W/H (C) BLDG SEPT 2019	231-220	000	3.90
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) GF SEPT 2019	231-221	000	17.00
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (D) FIRE SEPT 2019	231-221	000	36.00
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) GF SEPT 2019	231-221	000	78.10
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) FIR SEPT 2019	231-221	000	273.30
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	ADDITIONAL LIFE W/H (E) BLDG SEPT 2019	231-221	000	50.00
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F) SEPT 2019	720-000	850	740.69
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A) SEPT 2019	720-000	850	291.38
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B) SEPT 2019	720-000	850	44.32
				CHECK GENF 69922 TOTAL FOR FUND 101:			1,565.89
08/29/2019	GENF	69923	STEVEN A PETERSON	REIMBURSE 35 MILES- S. PETERSON	860-000	721	20.30
08/29/2019	GENF	69924	REPOCAST.COM	LEGAL FEES	826-000	295	477.60
08/29/2019	GENF	69925	SLATER, SUE	REIMBURSE CELL PHONE- S. SLATER	925-000	215	50.00
08/29/2019	GENF	69927	SUPPLYGEEKS.BIZ	GENERAL FUND OFFICE SUPPLIES	727-000	295	157.32
08/29/2019	GENF	69929*#	WINDSTREAM	WINDSTREAM AUG	924-100	295	194.02
08/29/2019	GENF	69929	WINDSTREAM	WINDSTREAM AUG	924-000	756	129.35
				CHECK GENF 69929 TOTAL FOR FUND 101:			323.37

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08/30/2019	GENF	5593(A)	FUNNY BUSINESS AGENCY INC	CLOWNS	881-200	295	600.00
08/30/2019	GENF	5606(A)	WEST MICHIGAN TREE SERVICE	BEHIND LEYTON DR SE	932-000	276	414.00
Total for fund 101 GENERAL FUND							454,937.82
FUND 206 - FIRE FUND							
08/01/2019	GENF	69769	AGILE SAFETY	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	170.00
08/01/2019	GENF	69772	COMCAST	FIRE PHONES	924-000	336	42.33
08/01/2019	GENF	69772	COMCAST	FIRE PHONES/BUTTRICK	924-002	336	94.90
08/01/2019	GENF	69772	COMCAST	CELL PHONES/DATA-MODEMS	924-100	336	382.97
CHECK GENF 69772 TOTAL FOR FUND 206:							520.20
08/01/2019	GENF	69774	DEGRAFF INTERIORS	STATION 2 CARPET	936-002	336	3,975.60
08/01/2019	GENF	69776*#	THE HOME DEPOT CREDIT SERVICES	RESCUE EQUIP	958-000	336	349.00
08/01/2019	GENF	69776	THE HOME DEPOT CREDIT SERVICES	RESCUE EQUIP	958-000	336	35.94
08/01/2019	GENF	69776	THE HOME DEPOT CREDIT SERVICES	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	15.35
CHECK GENF 69776 TOTAL FOR FUND 206:							400.29
08/01/2019	GENF	69777	J&B MEDICAL SUPPLY	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	29.98
08/01/2019	GENF	69779	MAKUCH, JOHN	FIRE TUITION - J.MAKUCH	725-000	336	796.50
08/01/2019	GENF	69783*#	MIDSTATE SECURITY CO.	BATTERY REPLACEMENT	936-000	336	270.00
08/01/2019	GENF	69785*#	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	45.92
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	735.69
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	302.00
CHECK GENF 69785 TOTAL FOR FUND 206:							1,083.61
08/01/2019	GENF	69788	PHOENIX SAFETY OUTFITTERS	FIRE PROTECTIVE CLOTHING	959-000	336	58.65
08/01/2019	GENF	69788	PHOENIX SAFETY OUTFITTERS	TURNOUT GEAR	959-000	336	14,773.20
CHECK GENF 69788 TOTAL FOR FUND 206:							14,831.85
08/01/2019	GENF	69789*#	REPUBLIC SERVICES	FIRE STATION MAINT REPUBLIC	936-002	336	312.62
08/01/2019	GENF	69796*#	WINDSTREAM	FIRE PHONES	924-000	336	129.37
08/01/2019	GENF	69796	WINDSTREAM	FIRE PHONES/BUTTRICK	924-002	336	258.72
CHECK GENF 69796 TOTAL FOR FUND 206:							388.09
08/02/2019	GENF	5509(A)	BATTERIES PLUS - 383	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	** VOIDED **
08/02/2019	GENF	5510(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	** VOIDED **
08/02/2019	GENF	5513(A)	NAPA AUTO PARTS	FIRE EQUIPMENT MAINT	938-000	336	** VOIDED **
08/02/2019	GENF	5514(A)	OVERHEAD DOOR CO OF GR, INC	STATION 2 MAINTENANCE	936-002	336	** VOIDED **
08/02/2019	GENF	5524(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	** VOIDED **
08/02/2019	GENF	5524(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	** VOIDED **
08/06/2019	GENF	5526(A)	BATTERIES PLUS - 383	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	36.35
08/06/2019	GENF	5527(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	2,115.87
08/06/2019	GENF	5530(A)	NAPA AUTO PARTS	FIRE EQUIPMENT MAINT	938-000	336	59.94
08/06/2019	GENF	5531(A)	OVERHEAD DOOR CO OF GR, INC	STATION 2 MAINTENANCE	936-002	336	1,515.00
08/06/2019	GENF	5541(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	41.15
08/06/2019	GENF	5541(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	41.15
CHECK GENF 5541(A) TOTAL FOR FUND 206:							82.30
08/08/2019	GENF	69814*#	DTE ENERGY	UTILITIES	928-000	336	62.59
08/08/2019	GENF	69815*	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS	718-000	850	198.15
08/08/2019	GENF	69821	J&B MEDICAL SUPPLY	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	109.36

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08/08/2019	GENF	69833	TECH MASTER INC	E-5 INJECTOR BALANCE	938-000	336	619.20
08/08/2019	GENF	69834*#	VERIZON WIRELESS	TELEPHONE / CELL	850-000	336	113.92
08/09/2019	GENF	5543(A)*#	CONSUMERS ENERGY	100012762959 2990 BUTTRICK	928-000	336	1,176.51
08/09/2019	GENF	5546(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	45.86
08/09/2019	GENF	5546(A)	FUEL MANAGEMENT SYSTEM	FIRE FUELS DISCOUNT	745-000	336	(0.96)
				CHECK GENF 5546(A) TOTAL FOR FUND 206:			44.90
08/09/2019	GENF	5547(A)	NAPA AUTO PARTS	FIRE EQUIPMENT MAINT	938-000	336	7.99
08/09/2019	GENF	5547(A)	NAPA AUTO PARTS	FIRE EQUIPMENT MAINT	938-000	336	4.99
08/09/2019	GENF	5547(A)	NAPA AUTO PARTS	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	3.99
				CHECK GENF 5547(A) TOTAL FOR FUND 206:			16.97
08/09/2019	GENF	5560(A)*#	WEX BANK	FIRE FUELS	745-000	336	1,792.47
08/15/2019	GENF	69841*#	CINTAS	2019 RUG CLEANING SERVICE FIRE	936-000	336	170.24
08/15/2019	GENF	69850	J&B MEDICAL SUPPLY	GLUCOMETER EQUIP	958-000	336	237.12
08/15/2019	GENF	69854	MARSMAN, ANDREW	FIRE UNIFORMS - A.MARSMAN	768-000	336	80.00
08/15/2019	GENF	69855	MELSE FIRE PROTECTION LLC	COMPLIANT EXIT/ LIGHTING	936-000	336	1,781.00
08/15/2019	GENF	69855	MELSE FIRE PROTECTION LLC	ANNUAL EXTINGUISHER INSPECTION	936-000	336	1,023.00
				CHECK GENF 69855 TOTAL FOR FUND 206:			2,804.00
08/15/2019	GENF	69861*#	CASH - GENERAL FUND	FIRE OFFICE SUPPLIES	727-000	336	10.59
08/15/2019	GENF	69862	PHOENIX SAFETY OUTFITTERS	HARNES BELTS	959-000	336	863.78
08/15/2019	GENF	69863	PURITY CYLINDER GASES INC	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	95.75
08/15/2019	GENF	69865*#	SUPPLYGEEKS.BIZ	FIRE FUND OFFICE SUPPLIES	727-000	336	30.45
08/15/2019	GENF	69867*#	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	850-000	336	18.72
08/15/2019	GENF	69867	VERIZON WIRELESS	INTERNET / TV / OTHER	852-000	336	152.04
				CHECK GENF 69867 TOTAL FOR FUND 206:			170.76
08/15/2019	GENF	69868	W.W. WILLIAMS CO LLC	ANNUAL GENERATOR	936-000	336	840.00
08/16/2019	GENF	5562(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEP	721-000	850	2,115.87
08/16/2019	GENF	5574(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	41.15
08/22/2019	GENF	69878*#	FIRST BANKCARD	MFIS FALL CONFERENCE- D. POOLMAN	724-000	336	421.90
08/22/2019	GENF	69878	FIRST BANKCARD	NOZZLE FORWARD TRAINING	726-000	336	200.00
08/22/2019	GENF	69878	FIRST BANKCARD	PURIFIED WATER	787-000	336	19.14
08/22/2019	GENF	69878	FIRST BANKCARD	COFFEE	787-000	336	81.00
08/22/2019	GENF	69878	FIRST BANKCARD	MISCELLANEOUS	787-000	336	23.88
08/22/2019	GENF	69878	FIRST BANKCARD	BOAT LEDS	937-000	336	372.80
08/22/2019	GENF	69878	FIRST BANKCARD	SPOTLIGHT HALOGEN 12V	938-000	336	34.99
08/22/2019	GENF	69878	FIRST BANKCARD	LED LIGHTS	938-000	336	38.98
				CHECK GENF 69878 TOTAL FOR FUND 206:			1,192.69
08/22/2019	GENF	69879*#	FIRST BANKCARD	FIRE MAINT SUPPLIES	738-000	336	67.74
08/22/2019	GENF	69879	FIRST BANKCARD	FIRE EQUIPMENT MAINT	938-000	336	66.90
				CHECK GENF 69879 TOTAL FOR FUND 206:			134.64
08/22/2019	GENF	69882	GREAT AMERICA FINANCIAL SERVICE	ANNUAL COPIER	939-000	336	235.48
08/22/2019	GENF	69886	J&B MEDICAL SUPPLY	REGULATOR	958-000	336	215.00
08/22/2019	GENF	69896*#	PITNEY BOWES RESERVE ACCOUNT	FIRE POSTAGE & MACHINE LEASE	941-000	336	150.00
08/22/2019	GENF	69901*#	SUPERIOR PEST CONTROL INC	PEST CONTROL SERVICE AUG	936-000	336	50.00
08/22/2019	GENF	69901	SUPERIOR PEST CONTROL INC	PEST CONTROL SERVICE AUG	936-002	336	50.00
				CHECK GENF 69901 TOTAL FOR FUND 206:			100.00
08/22/2019	GENF	69902	SUPPLYGEEKS.BIZ	FIRE FUND OFFICE SUPPLIES	727-000	336	117.79
08/22/2019	GENF	69906	VERIZON WIRELESS	ACCT #542095061-00001 AUG	850-000	336	320.08

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08/23/2019	GENF	33(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000	850	16,984.61
08/23/2019	GENF	5579(A)	KENTWOOD OFFICE FURNITURE	STATION 2 OFFICE FURNITURE	981-000	336	7,093.37
08/23/2019	GENF	5580(A)*#	KINGSLAND'S ACE HARDWARE	FIRE FUELS	745-000	336	21.59
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE FUELS	745-000	336	27.16
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT	936-000	336	17.79
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT	936-000	336	35.97
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT/BUTTRICK	936-002	336	26.98
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE RADIO MAINT	937-000	336	10.78
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE EQUIPMENT MAINT	938-000	336	3.28
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	17.05
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	FIRE SUPPLEMENTAL EQUIPMENT	958-000	336	8.06
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	OFFICE EQUIPMENT	981-000	336	17.99
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	OFFICE EQUIPMENT	981-000	336	4.65
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	SURGE PROTECTORS FOR NEW DESKS	981-000	336	44.98
				CHECK GENF 5580(A) TOTAL FOR FUND 206:			236.28
08/23/2019	GENF	5581(A)	NYE UNIFORM COMPANY	FIRE UNIFORMS	768-000	336	232.98
08/23/2019	GENF	5592(A)	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	30.75
08/29/2019	GENF	69913	COMCAST	SEPT XFINITY ACCT# 8529112730083548	850-000	336	42.33
08/29/2019	GENF	69914*#	COMCAST	COMMUNICATIONS	850-000	336	114.96
08/29/2019	GENF	69915*#	COMCAST	COMMUNICATIONS	850-000	336	153.07
08/29/2019	GENF	69917	KENT COUNTY FIRE CHIEFS ASSOC	TUITION FIRE ACADEMY	724-000	336	300.00
08/29/2019	GENF	69922*#	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B) SEPT 2019	720-000	850	45.92
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A) SEPT 2019	720-000	850	302.00
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F) SEPT 2019	720-000	850	735.69
				CHECK GENF 69922 TOTAL FOR FUND 206:			1,083.61
08/29/2019	GENF	69926	STERICYCLE INC	FIRE STATION MAINT	936-000	336	88.50
08/29/2019	GENF	69929*#	WINDSTREAM	WINDSTREAM AUG	850-000	336	388.05
08/30/2019	GENF	5605(A)	VALLEY CITY LINEN INC	TOWEL & RUG CLEANING AUG 2019	936-000	336	41.15
				Total for fund 206 FIRE FUND			67,437.32
FUND 207 - POLICE FUND							
08/23/2019	GENF	5578(A)	KENT COUNTY TREASURER	CASCADE INDEPENDENCE DAY CELEBRATION	801-000	301	5,989.00
				Total for fund 207 POLICE FUND			5,989.00
FUND 209 - OPEN SPACE FUND							
08/09/2019	GENF	5543(A)*#	CONSUMERS ENERGY	100061096465 6803 BURTON ST SE	921-000	751	25.40
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100041772151 6803 BURTON ST SE	921-000	751	151.88
				CHECK GENF 5543(A) TOTAL FOR FUND 209:			177.28
08/30/2019	GENF	5594(A)	KERKSTRA PORTABLE RESTROOM SERVICE	RESTROOM RENTAL SEPT 2019	935-000	751	125.00
				Total for fund 209 CCT OPEN SPACE			302.28
FUND 216 - PATHWAYS FUND							
08/01/2019	GENF	69776*#	THE HOME DEPOT CREDIT SERVICES	MAINT & REPAIR	931-000	758	149.85
08/01/2019	GENF	69776	THE HOME DEPOT CREDIT SERVICES	MAINT & REPAIR	931-000	758	291.69
				CHECK GENF 69776 TOTAL FOR FUND 216:			441.54
08/02/2019	GENF	5512(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-100	758	** VOIDED **
08/06/2019	GENF	5529(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-100	758	21,243.27
08/23/2019	GENF	5580(A)*#	KINGSLAND'S ACE HARDWARE	MAINT & REPAIR	931-000	758	99.87
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	MAINT & REPAIR	931-000	758	29.65
				CHECK GENF 5580(A) TOTAL FOR FUND 216:			129.52

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08/29/2019	GENF	69918	LAWNS OF DISTINCTION	200FT OF RET. WALL REPLACED	931-000	758	7,322.60
Total for fund 216 PATHWAYS FUND							29,136.93
FUND 246 - IRF							
08/02/2019	GENF	5512(A)*#	FISHBECK THOMPSON CARR & HUBER	ADMIN ENGINEERING COSTS	821-000	295	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ADMIN ENGINEERING COSTS	821-000	295	** VOIDED **
08/06/2019	GENF	5529(A)*#	FISHBECK THOMPSON CARR & HUBER	ADMIN ENGINEERING COSTS	821-000	295	2,667.00
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ADMIN ENGINEERING COSTS	821-000	295	247.50
CHECK GENF 5529(A) TOTAL FOR FUND 246:							2,914.50
Total for fund 246 IRF							2,914.50
FUND 248 - DDA FUND							
08/02/2019	GENF	5511(A)	DICKINSON WRIGHT PLLC	LEGAL	826-265	170	** VOIDED **
08/02/2019	GENF	5512(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	** VOIDED **
08/02/2019	GENF	5512(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	** VOIDED **
08/06/2019	GENF	5528(A)	DICKINSON WRIGHT PLLC	LEGAL	826-265	170	60.00
08/06/2019	GENF	5529(A)*#	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	8,911.50
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	1,390.05
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	247.50
08/06/2019	GENF	5529(A)	FISHBECK THOMPSON CARR & HUBER	ENGINEERING	821-000	170	200.00
CHECK GENF 5529(A) TOTAL FOR FUND 248:							10,749.05
08/08/2019	GENF	69809	CASCADE PRINTING & GRAPHICS	SIGNS FOR CASCADE METRO CRUISE WARMUP	931-300	170	208.80
08/08/2019	GENF	69834*#	VERIZON WIRELESS	CELL PHONES	924-100	170	50.69
08/09/2019	GENF	5543(A)*#	CONSUMERS ENERGY	100012017115 6753 OLD 28TH ST SE	921-000	170	166.08
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012017305 6610 28TH ST SE	921-000	170	114.14
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100011901541 6800 CASCADE RD SE	921-000	170	93.75
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100011901814 6811 CASCADE RD SE	921-000	170	103.60
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100054379084 5196 28TH ST SE	921-000	170	174.19
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100054393572 5434 28TH ST SE	921-000	170	64.41
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100012213862 6658 28TH ST	921-000	170	25.95
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100041058650 6116 28TH ST SE	921-000	170	64.14
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100041059278 5905 28TH ST SE	921-000	170	75.40
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100041081355 5613 28TH ST SE	921-000	170	64.34
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100063460503 5770 FOREMOST DR SE	921-000	170	116.45
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100066874924 2990 LUCERNE DR SE	921-000	170	153.74
08/09/2019	GENF	5543(A)	CONSUMERS ENERGY	100041059393 6282 28TH ST SE	921-000	170	94.11
CHECK GENF 5543(A) TOTAL FOR FUND 248:							1,310.30
08/15/2019	GENF	69848*#	GRAND RAPIDS CITY TREASURER	WATER-SEWER WS2042969	927-000	170	1,645.70
08/15/2019	GENF	69851	KAISER, JOHN	BALLOON SCULPTING FOR METRO CRUISE WARMU	931-300	170	155.00
08/15/2019	GENF	69859*#	MUNIWEB	WEBSITE HOSTING MADEINCASCADE.ORG	787-000	170	135.00
08/15/2019	GENF	69861*#	CASH - GENERAL FUND	LEGAL	826-265	170	60.00
08/15/2019	GENF	69861	CASH - GENERAL FUND	DDA - MILEAGE - PARKING	860-000	170	1.00
CHECK GENF 69861 TOTAL FOR FUND 248:							61.00
08/15/2019	GENF	69864	SOUL SYNDICATE	BAND FOR CASCADE METRO CRUISE WARMUP	931-300	170	2,600.00
08/15/2019	GENF	69867*#	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	170	18.72
08/16/2019	GENF	5569(A)*#	THORNAPPLE RIVER NURSERY, INC.	OLD 28TH ST	931-000	170	157.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	28TH ST ISLANDS	931-000	170	56.00
CHECK GENF 5569(A) TOTAL FOR FUND 248:							213.00
08/22/2019	GENF	69876	CHEMICAL BANK	MUN BOND 2010 / PRINCIPAL	992-003	990	100,000.00
08/22/2019	GENF	69876	CHEMICAL BANK	MUN BOND 2010 / INT & FEES	996-003	990	1,725.00
08/22/2019	GENF	69876	CHEMICAL BANK	MUN BOND 2010 / INT & FEES	996-003	990	1,879.75
CHECK GENF 69876 TOTAL FOR FUND 248:							103,604.75

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08/22/2019	GENF	69885*#	INTERURBAN TRANSIT PARTNERSHIP	BUS SERVICE 28TH ST	861-100	170	14,353.79
08/23/2019	GENF	5580(A)*#	KINGSLAND'S ACE HARDWARE	OFFICE EQUIPMENT	981-000	170	119.99
08/29/2019	GENF	69911	CASCADE PRINTING & GRAPHICS	CASCADE DISTRICT BANNER	787-000	170	70.00
08/30/2019	GENF	5600(A)	THE LIGHT BULB COMPANY	60BULBS - AMVR100UMED	931-000	170	1,118.16
Total for fund 248 DDA							136,473.95
FUND 249 - BUILDING FUND							
08/01/2019	GENF	69771	CASCADE CHARTER TOWNSHIP	DUE TO I.R.F.- S&W CONNECTIONS	237-000	000	1,100.00
08/01/2019	GENF	69785*#	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B)	720-000	850	24.54
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A)	720-000	850	161.41
08/01/2019	GENF	69785	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F)	720-000	850	404.68
CHECK GENF 69785 TOTAL FOR FUND 249:							590.63
08/01/2019	GENF	69796*#	WINDSTREAM	PHONES	924-000	371	64.68
08/02/2019	GENF	5510(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	** VOIDED **
08/06/2019	GENF	5527(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS AUG 2019	721-000	850	813.96
08/08/2019	GENF	69799	ADA TOWNSHIP	PERMITS DUE TO ADA TWP	964-400	964	4,601.60
08/08/2019	GENF	69804	BENOIT, BILL	REIMBURSE 481 MILES - B.BENOIT	860-000	371	278.98
08/08/2019	GENF	69805	BIEGALLE, JEFFREY	REIMBURSE 838 MILES J.BIEGALLE	860-000	371	486.04
08/08/2019	GENF	69806	BS&A SOFTWARE	USAGE FEE - PERMITS	939-000	371	2,242.00
08/08/2019	GENF	69810	CASCADE CHARTER TOWNSHIP	PERMITS DUE CASCADE TWP	964-800	964	6,102.25
08/08/2019	GENF	69811	CASCADE CHARTER TOWNSHIP	S&W CONNECTIONS 7779 SILVERTHORN	237-000	000	1,100.00
08/08/2019	GENF	69811	CASCADE CHARTER TOWNSHIP	S&W CONNECTIONS 7194 THORNCREST	237-000	000	1,100.00
CHECK GENF 69811 TOTAL FOR FUND 249:							2,200.00
08/08/2019	GENF	69813	KEN DAVIS	REIMBURSE 608 MILES K.DAVIS	860-000	371	352.64
08/08/2019	GENF	69815*	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS	718-000	850	119.36
08/08/2019	GENF	69818	GRAND RAPIDS CHARTER TOWNSHIP	PERMITS DUE TO GR TWP	964-300	964	5,233.60
08/08/2019	GENF	69819	DANIEL L HEYER	REIMBURSE 851 MILES - D.HEYER	860-000	371	493.58
08/08/2019	GENF	69820	HUYSER, DANIEL A.	DEPARTMENT UNIFORMS - D.HUYSER	768-000	371	84.77
08/08/2019	GENF	69820	HUYSER, DANIEL A.	REIMBURSE 864 MILES - D.HUYSER	860-000	371	501.12
CHECK GENF 69820 TOTAL FOR FUND 249:							585.89
08/08/2019	GENF	69822	KUTCHINS, JULIE	REIMBURSE 30 MILES - J.KUTCHINS	860-000	371	17.40
08/08/2019	GENF	69823	VINCENT MILITO	DEPARTMENT UNIFORMS - V.MILITO	768-000	371	10.00
08/08/2019	GENF	69823	VINCENT MILITO	REIMBURSE 748 MILES - V.MILITO	860-000	371	433.84
CHECK GENF 69823 TOTAL FOR FUND 249:							443.84
08/08/2019	GENF	69828	REITSMA, RON	REIMBURSE 207 MILES R.REITSMA	860-000	371	120.06
08/08/2019	GENF	69829	ROWLADER, DENNIS	DEPARTMENT UNIFORMS - D.ROWLADER	768-000	371	18.54
08/08/2019	GENF	69829	ROWLADER, DENNIS	REIMBURSE 679 MILES D.ROWLADER	860-000	371	393.82
CHECK GENF 69829 TOTAL FOR FUND 249:							412.36
08/08/2019	GENF	69830	RON SABIN	DEPARTMENT UNIFORMS - R.SABIN	768-000	371	131.36
08/08/2019	GENF	69830	RON SABIN	REIMBURSE 834 MILES - R.SABIN	860-000	371	483.72
CHECK GENF 69830 TOTAL FOR FUND 249:							615.08
08/08/2019	GENF	69834*#	VERIZON WIRELESS	CELL PHONES	924-100	371	461.29
08/08/2019	GENF	69836	BRIAN WILSON	REIMBURSE 483 MILES B.WILSON	860-000	371	280.14
08/09/2019	GENF	5544(A)	EAST GRAND RAPIDS/CITY OF	PERMITS DUE TO EAST GR	964-500	964	3,040.40

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08/09/2019	GENF	5545(A)	FIRST CHOICE COFFEE SERVICE	COFFEE SERVICE FOR BLDG DEPT	939-000	371	153.95
08/09/2019	GENF	5545(A)	FIRST CHOICE COFFEE SERVICE	COFFEE SERVICE FOR BLDG DEPT	939-000	371	54.48
08/09/2019	GENF	5545(A)	FIRST CHOICE COFFEE SERVICE	COFFEE SERVICE FOR BLDG DEPT	939-000	371	(41.50)
				CHECK GENF 5545(A) TOTAL FOR FUND 249:			166.93
08/09/2019	GENF	5548(A)*#	KONICA MINOLTA BUSINESS SOLUTIONS	C454	939-000	371	19.37
08/09/2019	GENF	5549(A)	LOWELL TOWNSHIP	PERMITS DUE TO LOWELL TWP	964-100	964	1,484.80
08/09/2019	GENF	5550(A)	PLAINFIELD CHARTER TOWNSHIP	PERMITS DUE PLAINFIELD	964-600	964	4,606.20
08/09/2019	GENF	5559(A)	VERGENNES TOWNSHIP	PERMITS DUE TO VERGENNES TWP	964-200	964	423.00
08/15/2019	GENF	69865*#	SUPPLYGEEKS.BIZ	OFFICE SUPPLIES	727-000	371	242.19
08/15/2019	GENF	69865	SUPPLYGEEKS.BIZ	OFFICE SUPPLIES	727-000	371	87.78
				CHECK GENF 69865 TOTAL FOR FUND 249:			329.97
08/15/2019	GENF	69867*#	VERIZON WIRELESS	ACCT# 84202899400001 JULY 2019	924-100	371	168.46
08/15/2019	GENF	69867	VERIZON WIRELESS	CELL PHONES	924-100	371	41.56
				CHECK GENF 69867 TOTAL FOR FUND 249:			210.02
08/16/2019	GENF	5561(A)	3040 CHARLEVOIX II, LLC	RENT 3040 CHARLEVOIX SEP 2019	940-000	371	5,030.64
08/16/2019	GENF	5562(A)*	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEP	721-000	850	813.96
08/22/2019	GENF	69871	BENOIT, BILL	REIMBURSE 597 MILES- B. BENOIT	860-000	371	346.26
08/22/2019	GENF	69872	BIEGALLE, JEFFREY	REIMBURSE 610 MILES- J. BIEGALLE	860-000	371	353.80
08/22/2019	GENF	69875	CASCADE CHARTER TOWNSHIP	DUE TO I.R.F.- S&W CONNECTIONS	237-000	000	1,100.00
08/22/2019	GENF	69875	CASCADE CHARTER TOWNSHIP	DUE TO I.R.F.- S&W CONNECTIONS	237-000	000	2,200.00
				CHECK GENF 69875 TOTAL FOR FUND 249:			3,300.00
08/22/2019	GENF	69877	KEN DAVIS	REIMBURSE 453 MILES- K. DAVIS	860-000	371	262.74
08/22/2019	GENF	69878*#	FIRST BANKCARD	2019 ICC ANNUAL CONFERENCE	724-000	371	650.00
08/22/2019	GENF	69878	FIRST BANKCARD	HOTEL DEPOSIT FOR OCT 2019	724-000	371	149.66
08/22/2019	GENF	69878	FIRST BANKCARD	DEPT HEAD, SUPV EXPENSES	862-500	371	49.00
				CHECK GENF 69878 TOTAL FOR FUND 249:			848.66
08/22/2019	GENF	69883	DANIEL L HEYER	REIMBURSE 441 MILES- D. HEYER	860-000	371	255.78
08/22/2019	GENF	69884	HUYSER, DANIEL A.	REIMBURSE 552 MILES- D. HUYSER	860-000	371	320.16
08/22/2019	GENF	69889	KUTCHINS, JULIE	REIMBURSE 16 MILES- J. KUTCHINS	860-000	371	9.28
08/22/2019	GENF	69890	VINCENT MILITO	REIMBURSE 514 MILES- V. MILITO	860-000	371	298.12
08/22/2019	GENF	69895	REITSMA, RON	REIMBURSE 186 MILES- R. REITSMA	860-000	371	107.88
08/22/2019	GENF	69896*#	PITNEY BOWES RESERVE ACCOUNT	BLDG POSTAGE & MACHINE LEASE	941-000	371	150.00
08/22/2019	GENF	69898	ROWLADER, DENNIS	REIMBURSE 459 MILES- D. ROWLADER	860-000	371	266.22
08/22/2019	GENF	69899	RON SABIN	REIMBURSE 393 MILES- R. SABIN	860-000	371	227.94
08/22/2019	GENF	69900	JIM SPAAK	REIMBURSE 32 MILES- J. SPAAK	860-000	371	18.56
08/22/2019	GENF	69907	BRIAN WILSON	REIMBURSE 182 MILES- B. WILSON	860-000	371	105.56
08/23/2019	GENF	33(E)*	WEST MICHIGAN HEALTH INSURANCE POOL	HEALTH INSURANCE BENEFITS	719-000	850	9,595.78
08/23/2019	GENF	5575(A)	3040 CHARLEVOIX II, LLC	UTILITIES 3040 CHARLEVOIX JUL	940-000	371	478.11
08/23/2019	GENF	5582(A)	RICOH USA INC	MP C4504ex COPIER/PRINTER	727-000	371	64.58
08/29/2019	GENF	69912	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 7806 STONEHAVEN DR SE	237-000	000	1,100.00
08/29/2019	GENF	69912	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 6154 BURTON ST. SE	237-000	000	2,200.00
08/29/2019	GENF	69912	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 2645 CASCADE SPRINGS	237-000	000	1,100.00
08/29/2019	GENF	69912	CASCADE CHARTER TOWNSHIP	S/W CONNECTION 6660 OLD 28TH ST	237-000	000	3,326.00
				CHECK GENF 69912 TOTAL FOR FUND 249:			7,726.00

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08/29/2019	GENF	69914*#	COMCAST	PHONES	924-000	371	53.65
08/29/2019	GENF	69920	METRO MECHANICAL INSPECTORS ASSOC	CONFERENCE REGISTRATION- V. MILITO	724-000	371	50.00
08/29/2019	GENF	69921	METRO MECHANICAL INSPECTORS ASSOC	CONFERENCE REGISTRATION- D. POOLMAN	724-000	371	50.00
08/29/2019	GENF	69922*#	MUTUAL OF OMAHA INSURANCE	LIFE LTD BENEFITS (F) SEPT 2019	720-000	850	404.68
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE INSURANCE BENEFITS (A) SEPT 2019	720-000	850	161.41
08/29/2019	GENF	69922	MUTUAL OF OMAHA INSURANCE	LIFE AD&D BENEFITS (B) SEPT 2019	720-000	850	24.54
				CHECK GENF 69922 TOTAL FOR FUND 249:			590.63
08/29/2019	GENF	69929*#	WINDSTREAM	WINDSTREAM AUG	924-000	371	64.67
				Total for fund 249 BUILDING FUND			69,285.05
FUND 270 - LIBRARY FUND							
08/01/2019	GENF	69778	KENT DISTRICT LIBRARY	COFFEE AND KITCHEN SUPPLIES	787-000	790	193.85
08/01/2019	GENF	69784*#	MINER SUPPLY COMPANY	BATH TISSUE, TOWELS	931-000	790	293.40
08/01/2019	GENF	69789*#	REPUBLIC SERVICES	LIBRARY MAINTENANCE REPUBLIC	931-000	790	661.68
08/01/2019	GENF	69796*#	WINDSTREAM	LIBRARY PHONES	924-000	790	129.37
08/01/2019	GENF	69797	W.W. WILLIAMS CO LLC	PARTS AND LABOR FOR ANNUAL MAINTENANCE	931-000	790	900.00
08/08/2019	GENF	69802	BARTLETT TREE EXPERTS	LIBRARY MAINTENANCE FOLIAGE TREATMENT	931-000	790	129.00
08/08/2019	GENF	69814*#	DTE ENERGY	LIBRARY HEATING DTE ENERGY	923-000	790	120.13
08/09/2019	GENF	5543(A)*#	CONSUMERS ENERGY	100000284784 2870 JACK SMITH AVE SE	921-000	790	1,030.16
08/15/2019	GENF	69841*#	CINTAS	2019 RUG CLEANING SERVICE LIBRARY	931-000	790	267.16
08/15/2019	GENF	69844*#	FRUIT BASKET FLOWERLAND	LIBRARY MAINTENANCE	931-000	790	12.00
08/15/2019	GENF	69844	FRUIT BASKET FLOWERLAND	LIBRARY MAINTENANCE	931-000	790	86.80
				CHECK GENF 69844 TOTAL FOR FUND 270:			98.80
08/15/2019	GENF	69848*#	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER WS2039826	927-000	790	56.66
08/15/2019	GENF	69848	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER WS2039827	927-000	790	973.54
08/15/2019	GENF	69848	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER WS2039828	927-000	790	651.69
				CHECK GENF 69848 TOTAL FOR FUND 270:			1,681.89
08/16/2019	GENF	5569(A)*#	THORNAPPLE RIVER NURSERY, INC.	LIBRARY	931-000	790	639.00
08/16/2019	GENF	5569(A)	THORNAPPLE RIVER NURSERY, INC.	BUTTRICK FIRE STATION	931-000	790	161.00
				CHECK GENF 5569(A) TOTAL FOR FUND 270:			800.00
08/22/2019	GENF	69879*#	FIRST BANKCARD	LIBRARY MAINTENANCE	931-000	790	34.44
08/22/2019	GENF	69880	FRUIT BASKET FLOWERLAND	PERENNIAL FLOWERS	931-000	790	851.95
08/22/2019	GENF	69891*#	MINER SUPPLY COMPANY	BATH TISSUE, TOWELS	931-000	790	271.76
08/22/2019	GENF	69901*#	SUPERIOR PEST CONTROL INC	PEST CONTROL SERVICE AUG	931-000	790	65.00
08/23/2019	GENF	5580(A)*#	KINGSLAND'S ACE HARDWARE	LIBRARY MAINTENANCE	931-000	790	15.46
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	LIBRARY MAINTENANCE	931-000	790	10.79
08/23/2019	GENF	5580(A)	KINGSLAND'S ACE HARDWARE	LIBRARY MAINTENANCE	931-000	790	6.29
				CHECK GENF 5580(A) TOTAL FOR FUND 270:			32.54
08/29/2019	GENF	69914*#	COMCAST	LIBRARY PHONES	924-000	790	15.33
08/29/2019	GENF	69916	ELEVATOR SERVICE INC	LIBRARY ELEVATOR	931-000	790	3,165.00
08/29/2019	GENF	69919	MINER SUPPLY COMPANY	BATH TISSUE, TOWELS	931-000	790	94.92
08/29/2019	GENF	69919	MINER SUPPLY COMPANY	BATH TISSUE, TOWELS	931-000	790	410.36
				CHECK GENF 69919 TOTAL FOR FUND 270:			505.28
08/29/2019	GENF	69929*#	WINDSTREAM	WINDSTREAM AUG	924-000	790	129.35
08/30/2019	GENF	5595(A)	MALLINDINE, JOHN	REWired FIXTURES, 72 4 PIN LED BULBS	931-000	790	980.00

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Total for fund 270 LIBRARY FUND							12,356.09
FUND 701 - TRUST AND AGENCY							
08/22/2019	GENF	69874	CASCADE CHARTER TOWNSHIP	APPLIED IMAGING 18:3503	253-410	000	257.00
08/22/2019	GENF	69909	WOODS BUILDERS INC	PAYHWAYS - WOOD BUILDERS HOME 8/2017	250-174	000	500.00
08/23/2019	GENF	5576(A)	APPLIED IMAGING	APPLIED IMAGING 18:3503	253-410	000	243.00
Total for fund 701 TRUST AND AGENCY							1,000.00
FUND 703 - CURRENT TAX COLLECTION FUND							
08/01/2019	GENF	69794	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	0.47
08/01/2019	GENF	69794	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	21,633.06
CHECK GENF 69794 TOTAL FOR FUND 703:							21,633.53
08/01/2019	GENF	69795	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS OPER	228-201	000	895.06
08/01/2019	GENF	69795	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS SET	228-201	000	1,198.86
CHECK GENF 69795 TOTAL FOR FUND 703:							2,093.92
08/02/2019	GENF	5516(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	** VOIDED **
08/02/2019	GENF	5517(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	** VOIDED **
08/02/2019	GENF	5518(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	** VOIDED **
08/02/2019	GENF	5518(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	** VOIDED **
08/02/2019	GENF	5518(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	** VOIDED **
08/02/2019	GENF	5518(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	** VOIDED **
08/02/2019	GENF	5518(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	** VOIDED **
08/02/2019	GENF	5519(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	** VOIDED **
08/02/2019	GENF	5519(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - IFT TAX	235-210	000	** VOIDED **
08/02/2019	GENF	5520(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	** VOIDED **
08/02/2019	GENF	5520(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT OPERATING	222-210	000	** VOIDED **
08/02/2019	GENF	5521(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	** VOIDED **
08/02/2019	GENF	5521(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	** VOIDED **
08/02/2019	GENF	5521(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	** VOIDED **
08/02/2019	GENF	5522(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	** VOIDED **
08/02/2019	GENF	5522(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - IFT TAXES	234-210	000	** VOIDED **
08/02/2019	GENF	5523(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	** VOIDED **
08/02/2019	GENF	5523(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	** VOIDED **
08/02/2019	GENF	5523(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	** VOIDED **
08/06/2019	GENF	5533(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	52,074.33
08/06/2019	GENF	5534(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	36,857.15
08/06/2019	GENF	5535(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	217,703.34
08/06/2019	GENF	5535(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	253,413.56
08/06/2019	GENF	5535(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	37,892.16
08/06/2019	GENF	5535(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	631.43
08/06/2019	GENF	5535(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	94.40
CHECK GENF 5535(A) TOTAL FOR FUND 703:							509,734.89
08/06/2019	GENF	5536(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	156,140.69
08/06/2019	GENF	5536(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - IFT TAX	235-210	000	334.33
CHECK GENF 5536(A) TOTAL FOR FUND 703:							156,475.02
08/06/2019	GENF	5537(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	377,548.60
08/06/2019	GENF	5537(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT OPERATING	222-210	000	808.43
CHECK GENF 5537(A) TOTAL FOR FUND 703:							378,357.03
08/06/2019	GENF	5538(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	58,225.37
08/06/2019	GENF	5538(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	449,960.71
08/06/2019	GENF	5538(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	11,649.32
CHECK GENF 5538(A) TOTAL FOR FUND 703:							519,835.40

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08/06/2019	GENF	5539(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	497,649.14
08/06/2019	GENF	5539(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - IFT TAXES	234-210	000	1,065.60
				CHECK GENF 5539(A) TOTAL FOR FUND 703:			498,714.74
08/06/2019	GENF	5540(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	1,660.68
08/06/2019	GENF	5540(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	6,795.43
08/06/2019	GENF	5540(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	947.01
				CHECK GENF 5540(A) TOTAL FOR FUND 703:			9,403.12
08/08/2019	GENF	69832	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	11,887.91
08/09/2019	GENF	5551(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	40,520.12
08/09/2019	GENF	5552(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	19,269.36
08/09/2019	GENF	5553(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	188,263.64
08/09/2019	GENF	5553(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	132,207.13
08/09/2019	GENF	5553(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	19,768.77
				CHECK GENF 5553(A) TOTAL FOR FUND 703:			340,239.54
08/09/2019	GENF	5554(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	80,316.36
08/09/2019	GENF	5555(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	194,204.76
08/09/2019	GENF	5556(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	32,754.26
08/09/2019	GENF	5556(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	222,070.06
08/09/2019	GENF	5556(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	2,111.56
				CHECK GENF 5556(A) TOTAL FOR FUND 703:			256,935.88
08/09/2019	GENF	5557(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	255,982.33
08/09/2019	GENF	5558(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	1,231.74
08/09/2019	GENF	5558(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	171.65
				CHECK GENF 5558(A) TOTAL FOR FUND 703:			1,403.39
08/15/2019	GENF	69866	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	(0.17)
08/15/2019	GENF	69866	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	13,635.51
				CHECK GENF 69866 TOTAL FOR FUND 703:			13,635.34
08/16/2019	GENF	5565(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	64,500.62
08/16/2019	GENF	5566(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	30,911.09
08/16/2019	GENF	5567(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	185,113.62
08/16/2019	GENF	5567(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	141,168.75
08/16/2019	GENF	5567(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	21,108.83
				CHECK GENF 5567(A) TOTAL FOR FUND 703:			347,391.20
08/16/2019	GENF	5568(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	91,655.74
08/16/2019	GENF	5570(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	221,623.18
08/16/2019	GENF	5571(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	52,990.48
08/16/2019	GENF	5571(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	254,741.36
08/16/2019	GENF	5571(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	4,626.61
				CHECK GENF 5571(A) TOTAL FOR FUND 703:			312,358.45
08/16/2019	GENF	5572(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	292,122.54
08/16/2019	GENF	5573(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	2,698.85
08/16/2019	GENF	5573(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	376.10
				CHECK GENF 5573(A) TOTAL FOR FUND 703:			3,074.95
08/22/2019	GENF	69903	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	(0.48)
08/22/2019	GENF	69903	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	12,865.86
				CHECK GENF 69903 TOTAL FOR FUND 703:			12,865.38
08/22/2019	GENF	69904	STATE OF MICHIGAN	IFT SET & OPER TAX CALED OPER	225-410	000	1,884.83
08/22/2019	GENF	69904	STATE OF MICHIGAN	IFT SET & OPER TAX CALED SET	228-001	000	2,564.40
				CHECK GENF 69904 TOTAL FOR FUND 703:			4,449.23
08/23/2019	GENF	5584(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	81,419.36

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08/23/2019	GENF	5585(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	39,059.05
08/23/2019	GENF	5585(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT IFT	225-420	000	747.95
				CHECK GENF 5585(A) TOTAL FOR FUND 703:			39,807.00
08/23/2019	GENF	5586(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	113,595.71
08/23/2019	GENF	5586(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	129,245.75
08/23/2019	GENF	5586(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	19,325.80
				CHECK GENF 5586(A) TOTAL FOR FUND 703:			262,167.26
08/23/2019	GENF	5587(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	89,745.38
08/23/2019	GENF	5587(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - IFT TAXES	235-110	000	376.24
				CHECK GENF 5587(A) TOTAL FOR FUND 703:			90,121.62
08/23/2019	GENF	5588(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	217,004.27
08/23/2019	GENF	5588(A)	KENT COUNTY TREASURER	KENT COUNTY - IFT OPERATING	222-110	000	909.74
				CHECK GENF 5588(A) TOTAL FOR FUND 703:			217,914.01
08/23/2019	GENF	5589(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	66,914.04
08/23/2019	GENF	5589(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	226,840.63
08/23/2019	GENF	5589(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	5,664.16
				CHECK GENF 5589(A) TOTAL FOR FUND 703:			299,418.83
08/23/2019	GENF	5590(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	286,034.60
08/23/2019	GENF	5590(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - IFT TAXES	234-110	000	1,199.13
				CHECK GENF 5590(A) TOTAL FOR FUND 703:			287,233.73
08/23/2019	GENF	5591(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	392.26
08/23/2019	GENF	5591(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	3,304.09
08/23/2019	GENF	5591(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	460.47
				CHECK GENF 5591(A) TOTAL FOR FUND 703:			4,156.82
08/29/2019	GENF	69928	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	(0.16)
08/29/2019	GENF	69928	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	16,675.20
				CHECK GENF 69928 TOTAL FOR FUND 703:			16,675.04
08/30/2019	GENF	5596(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	138,966.82
08/30/2019	GENF	5597(A)	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	68,023.10
08/30/2019	GENF	5598(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	118,676.02
08/30/2019	GENF	5598(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	156,576.47
08/30/2019	GENF	5598(A)	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	23,412.44
				CHECK GENF 5598(A) TOTAL FOR FUND 703:			298,664.93
08/30/2019	GENF	5599(A)	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	116,228.51
08/30/2019	GENF	5601(A)	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	281,040.57
08/30/2019	GENF	5602(A)	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	110,599.69
08/30/2019	GENF	5602(A)	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	278,381.17
08/30/2019	GENF	5602(A)	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	2,957.56
				CHECK GENF 5602(A) TOTAL FOR FUND 703:			391,938.42
08/30/2019	GENF	5603(A)	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	370,441.04
08/30/2019	GENF	5604(A)	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	399.93
08/30/2019	GENF	5604(A)	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	1,725.23
08/30/2019	GENF	5604(A)	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	240.41
				CHECK GENF 5604(A) TOTAL FOR FUND 703:			2,365.57
				Total for fund 703 CURRENT TAX COLLECTION FUND			7,747,109.13
				TOTAL - ALL FUNDS			8,526,942.07

*#-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE FUND

*#-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Transactions Log for Payroll Deductions
MONTH ENDING: AUGUST 2019

Direct Deposit

Date Submitted	<u>8.6.19</u>	Transaction#	_____	Amount	<u>75,573.52</u>
Date Submitted	<u>8.20.19</u>	Transaction#	_____	Amount	<u>77,464.36</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

Deferred Comp

Date Submitted	<u>8.6.19</u>	Transaction#	_____	Amount	<u>824.72</u>
Date Submitted	<u>8.20.19</u>	Transaction#	_____	Amount	<u>1127.16</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

Payroll Taxes

Date Submitted	<u>8.6.19</u>	Transaction#	<u>65861569</u>	Amount	<u>30,456.37</u>
Date Submitted	<u>8.20.19</u>	Transaction#	<u>14306580</u>	Amount	<u>31,030.17</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

HSA

Date Submitted	<u>8.6.19</u>	Transaction#	_____	Amount	<u>2673.00</u>
Date Submitted	<u>8.20.19</u>	Transaction#	_____	Amount	<u>3690.86</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

ICMA RC

Date Submitted	<u>8.6.19</u>	Transaction#	_____	Amount	<u>718.67</u>
Date Submitted	<u>8.20.19</u>	Transaction#	_____	Amount	<u>1376.21</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

MERS DB EE

Date Submitted	<u>8.22.19</u>	Transaction#	<u>97966-2</u>	Amount	<u>10,156.44</u>
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MERS DB ER

Date Submitted	<u>8.22.19</u>	Transaction#	<u>97966-2</u>	Amount	<u>13,297.00</u>
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MERS DC

Date Submitted	<u>8.6.19</u>	Transaction#	_____	Amount	<u>12,222.52</u>
Date Submitted	<u>8.20.19</u>	Transaction#	_____	Amount	<u>12,003.36</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

MERS HRSA 8.6.19
Monthly Check Register - Gross

Date Submitted	<u>8.22.19</u>	Amount	<u>399,170.19</u>
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Clerk's Office

Date 8.22.19

**FINANCIAL REPORTS
AUGUST 2019**

<u>FUND NAME</u>	<u>FUND BALANCE</u>	<u>LIABILITIES LONG TERM DEBT</u>	<u>BOND FINAL PAYMENT</u>	<u>CURRENT INTEREST RATE</u>
GENERAL FUND - 101 UNASSIGNED	6,601,867			
GENERAL FUND - 101 COMMITTED	2,999,543			
GENERAL FUND BALANCE	\$ 9,601,410			
FIRE FUND BALANCE	\$ 3,212,500			
POLICE FUND - 207 RESTRICTED	1,486,182			
POLICE FUND - 207 COMMITTED	230,000			
POLICE FUND BALANCE	\$ 1,716,182			
HAZMAT FUND - 208 RESTRICTED	\$ 31,839			
CCT OPEN SPACE FUND - 209 RESTRICTED	441,771	REF/2017	2,941,343	2028
AUGUST HOMEYER - 209 COMMITTED	356,412	**		1.94
CCT OPEN SPACE FUND BALANCE	\$ 798,183			
DAM MAJOR REPAIR FUND - 211 RESTRICTED	454,929			
DAM MAJOR REPAIR FUND - 211 COMMITTED	250,000			
DAM MAJOR REPAIR FUND BALANCE	\$ 704,929			
PATHWAYS FUND BALANCE	\$ 2,135,349			
IMPROVEMENT REVOLVING FUND - 246 RESTRICTED	\$ 1,665,304			
DDA FUND - 248 RESTRICTED	\$ 1,213,537	REF/2010	106,760	2020
 				3.45
BUILDING INSP FUND - 249 RESTRICTED	2,415,569			
BUILDING INSP FUND - 249 COMMITTED	1,000,000			
BUILDING INSP FUND BALANCE	\$ 3,415,569			
LIBRARY FUND - 270 RESTRICTED	1,803,837			
LIBRARY FUND - 270 COMMITTED	400,000			
LIBRARY FUND BALANCE	\$ 2,203,837			
TOTAL ALL FUNDS	\$ 26,698,640		\$ 3,048,102	
<u>TRUST AND AGENCY FUNDS</u>				
CEMETERY TRUST FUND - 151 NONSPENDABLE	103,459			
CEMETERY TRUST FUND - 151 COMMITTED	8,868			
TOTAL CEMETERY TRUST FUND	\$ 112,327			
TRUST & AGENCY FUND -701	\$ 190,162			
TAX FUND - 703	\$ 3,908,377			
TOTAL TRUST & AGENCY	\$ 4,210,866			

**** A portion of A Homeyer balance has not been committed by Board as of statement date.****

FOR DETAILS OF COMMITTED FUNDS, SEE BALANCE SHEET OF EACH FUND
BOARD RESOLUTIONS: 104-2012, 8-2018
ARTICLE 7, BOARD MTG 3/28/2018

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 08/31/2019**

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered

GL NUMBER	DESCRIPTION	2018 AUDITED BALANCE	2019 AMENDED BUDGET	YTD BALANCE 08/31/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 08/31/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BGD USED
Fund 101 - GENERAL FUND							
Revenues							
101-000-401-401	GENERAL PROPERTY TAXES	1,294,768.40	1,353,060.00	1,351,562.88	0.00	1,497.12	99.89
101-000-401-405	STREETLIGHT	64,956.12	73,200.00	72,772.92	0.00	427.08	99.42
101-000-401-410	PERSONAL PROPERTY TAX	91,103.84	98,527.00	95,825.39	0.00	2,701.61	97.26
101-000-401-420	DELINQUENT TAXES	4,259.56	8,000.00	2,997.18	0.00	5,002.82	37.46
101-000-401-437	ABATEMENT TAXES	10,357.38	11,003.00	10,472.05	0.00	530.95	95.17
101-000-401-441	COMMUNITY STABILIZATION SHARE TAX	94,078.79	80,134.00	0.00	0.00	80,134.00	0.00
101-000-401-445	INTEREST & PENALTIES ON TAXES	12,671.66	12,000.00	15,880.32	0.00	(3,880.32)	132.34
101-000-401-447	TAX ADMINISTRATION FEES	571,240.10	600,000.00	255,890.12	76,697.06	344,109.88	42.65
101-000-450-460	CABLE REVENUE	340,399.27	352,400.00	174,048.75	73,019.38	178,351.25	49.39
101-000-450-465	CABLE - PEG FEES	69,976.48	74,000.00	36,703.67	14,160.71	37,296.33	49.60
101-000-450-490	DOG LICENSES	65.60	150.00	72.00	0.00	78.00	48.00
101-000-450-498	OTHER PERMITS	405.00	750.00	215.00	15.00	535.00	28.67
101-000-451-000	LIQUOR LICENSE	35,933.15	23,000.00	36,129.50	25,005.75	(13,129.50)	157.08
101-000-539-010	DEQ-SAW GRANT 2017	28,414.80	0.00	0.00	0.00	0.00	0.00
101-000-539-576	STATE SHARED REV.-SALES TAX	1,513,703.00	1,512,337.00	744,213.00	267,259.00	768,124.00	49.21
101-000-539-579	ELECTION REIMBURSEMENTS	7,370.00	0.00	0.00	0.00	0.00	0.00
101-000-539-581	METRO ACT	15,341.96	14,800.00	15,201.56	0.00	(401.56)	102.71
101-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	44,318.04	0.00	(44,318.04)	100.00
101-000-600-608	PLANNING AND ZONING FEES	30,793.98	25,000.00	4,313.85	847.00	20,686.15	17.26
101-000-600-610	SUMMER TAX COLLECTION FEE	25,762.80	26,000.00	0.00	0.00	26,000.00	0.00
101-000-600-611	SEWER & WATER IMPLEMENTATION	51,809.12	21,000.00	0.00	0.00	21,000.00	0.00
101-000-600-614	PA 198 TAX APPLICATION FEE	3,000.00	2,000.00	2,000.00	0.00	0.00	100.00
101-000-600-626	PASSPORT APPLICATION FEE	30,470.00	34,000.00	23,030.00	2,800.00	10,970.00	67.74
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS	22,950.00	19,000.00	10,854.00	75.00	8,146.00	57.13
101-000-600-644	NSF FEES	0.00	100.00	0.00	0.00	100.00	0.00
101-000-600-647	YARD WASTE TAG FEE	1,470.00	1,500.00	632.00	0.00	868.00	42.13
101-000-600-648	SALE OF PRINTED MATERIAL	2.00	100.00	0.00	0.00	100.00	0.00
101-000-665-000	INTEREST ON INVESTMENTS	99,462.41	150,250.00	160,173.68	17,044.96	(9,923.68)	106.60
101-000-665-001	INTEREST TIMMONS FUND	206.53	0.00	0.00	0.00	0.00	0.00
101-000-665-002	DAM LEASE PAYMENTS	70,318.94	133,000.00	116,405.95	0.00	16,594.05	87.52
101-000-665-003	RENTAL OF FACILITIES	7,950.00	1,200.00	1,110.00	430.00	90.00	92.50
101-000-665-004	CELLULAR TOWERS	143,048.65	104,906.00	81,640.94	17,243.60	23,265.06	77.82
101-000-665-014	CELL TOWER - KEPS ANTENA LEASE	375.00	0.00	450.00	0.00	(450.00)	100.00
101-000-665-031	INTEREST ON INVESTMENT- WELLS FARGO	1,189.61	0.00	0.00	0.00	0.00	0.00
101-000-665-301	INTEREST ON COMM PAPER	11,025.00	0.00	0.00	0.00	0.00	0.00
101-000-671-653	PARK INCOME	365.00	7,000.00	5,925.00	610.00	1,075.00	84.64
101-000-671-671	MISCELLANEOUS INCOME	15,922.97	15,000.00	636.06	54.14	14,363.94	4.24
101-000-671-675	DONATIONS	4,000.00	0.00	0.00	0.00	0.00	0.00
101-000-671-676	PARK DONATIONS	0.00	0.00	500.00	0.00	(500.00)	100.00
101-000-671-680	MISC INCOME - TRANSIT TICKETS	1,017.00	1,500.00	720.00	270.00	780.00	48.00
101-000-671-683	REIMBURSEMENTS/REFUNDS	2,260.98	1,000.00	0.00	0.00	1,000.00	0.00
101-000-673-000	SALE OF ASSETS	0.00	8,700.00	8,833.00	0.00	(133.00)	101.53
101-000-674-000	4TH OF JULY SPONSORS	20,200.00	20,000.00	18,530.00	0.00	1,470.00	92.65
101-000-674-200	HALLOWEEN SPONSORS	2,155.00	2,000.00	1,025.00	725.00	975.00	51.25
101-000-675-000	DDA CONTRIBUTION	0.00	98,077.00	0.00	0.00	98,077.00	0.00
101-000-676-000	ELECTION REIMBURSEMENT	0.00	2,200.00	2,194.30	0.00	5.70	99.74
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FUND	113,884.66	95,000.00	46,412.65	6,102.25	48,587.35	48.86
101-000-679-100	REIMBURSEMENT FROM PATHWAYS	0.00	47,700.00	0.00	0.00	47,700.00	0.00
101-000-679-200	REIMBURSEMENT FROM LIBRARY	32,672.00	64,036.00	0.00	0.00	64,036.00	0.00
101-000-699-100	TRANSFER FROM	31,499.00	31,499.00	0.00	0.00	31,499.00	0.00
101-000-699-248	TRF FROM DDA	98,077.00	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES		4,976,932.76	5,125,129.00	3,341,688.81	502,358.85	1,783,440.19	
Expenditures							
Dept 101 - TOWNSHIP BOARD							
101-101-703-000	TRUSTEE SALARIES	36,000.00	0.00	0.00	0.00	0.00	0.00
101-101-704-000	WAGES- PART TIME	0.00	37,613.00	25,075.20	3,134.40	12,537.80	66.67
101-101-723-000	TOWNSHIP DUES	17,835.95	17,950.00	8,523.94	0.00	9,426.06	47.49
101-101-724-000	EDUCATION	0.00	1,700.00	0.00	0.00	1,700.00	0.00
101-101-860-000	TRUSTEE MILEAGE	0.00	250.00	0.00	0.00	250.00	0.00
101-101-862-500	TRUSTEE EXPENSE ACCOUNT	98.84	500.00	0.00	0.00	500.00	0.00
101-101-924-100	TRUSTEE CELL PHONES	932.57	1,000.00	373.93	56.15	626.07	37.39
101-101-981-000	OFFICE EQUIPMENT	0.00	2,500.00	2,295.62	0.00	204.38	91.82
Net - Dept 101 - TOWNSHIP BOARD		54,867.36	61,513.00	36,268.69	3,190.55	25,244.31	
Dept 171 - SUPERVISOR							
101-171-702-000	WAGES- FULL TIME	0.00	120,225.00	75,834.26	9,248.08	44,390.74	63.08
101-171-703-000	SUPERVISOR SALARY	20,000.04	0.00	0.00	0.00	0.00	0.00
101-171-704-000	WAGES- PART TIME	0.00	20,896.00	13,930.64	1,741.33	6,965.36	66.67
101-171-706-000	MANAGERS SALARY	115,073.33	0.00	0.00	0.00	0.00	0.00
101-171-723-000	SUPERVISOR MEMBERSHIPS AND DUES	1,376.00	2,100.00	838.20	125.00	1,261.80	39.91
101-171-724-000	EDUCATION	3,010.85	4,600.00	876.98	455.77	3,723.02	19.06
101-171-725-100	TUITION REIMBURSEMENT	0.00	2,500.00	0.00	0.00	2,500.00	0.00
101-171-860-000	SUPERVISOR MILEAGE	3,205.98	3,600.00	1,925.40	460.04	1,674.60	53.48
101-171-862-500	SUPERVISOR EXPENSE ACCOUNT	4.48	500.00	0.00	0.00	500.00	0.00
101-171-862-550	MANAGER EXPENSE ACCOUNT	174.34	650.00	296.35	38.27	353.65	45.59
101-171-901-000	SUPERVISOR PUBLICATIONS	0.00	500.00	0.00	0.00	500.00	0.00
101-171-925-000	SUPERVISOR CELL PHONE	2,087.27	1,940.00	1,020.51	151.17	919.49	52.60
101-171-967-000	SPECIAL PROJECTS	0.00	10,000.00	0.00	0.00	10,000.00	0.00

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
101-171-981-000	OFFICE EQUIPMENT	110.55	1,500.00	875.41	0.00	624.59	58.36
Net - Dept 171 - SUPERVISOR		145,042.84	169,011.00	95,597.75	12,219.66	73,413.25	
Dept 215 - CLERK							
101-215-702-000	WAGES- FULL TIME	0.00	72,751.00	45,888.84	5,596.20	26,862.16	63.08
101-215-703-000	CLERK SALARY	15,999.96	0.00	0.00	0.00	0.00	0.00
101-215-704-000	WAGES- PART TIME	6,962.00	16,717.00	11,144.56	1,393.07	5,572.44	66.67
101-215-704-050	HR DIRECTOR	62,995.92	0.00	0.00	0.00	0.00	0.00
101-215-707-000	WAGES- CASUAL	0.00	2,500.00	0.00	0.00	2,500.00	0.00
101-215-723-000	CLERK MEMBERSHIPS AND DUES	299.00	320.00	200.00	0.00	120.00	62.50
101-215-724-000	EDUCATION	1,143.26	2,600.00	1,194.60	0.00	1,405.40	45.95
101-215-768-000	UNIFORMS	0.00	0.00	114.92	0.00	(114.92)	100.00
101-215-860-000	CLERK MILEAGE	318.99	1,000.00	220.69	0.00	779.31	22.07
101-215-862-500	CLERK'S EXPENSE ACCOUNT	45.04	300.00	105.60	0.00	194.40	35.20
101-215-925-000	CLERK CELL PHONE	1,073.98	1,100.00	627.97	87.44	472.03	57.09
101-215-981-000	OFFICE EQUIPMENT	2,754.54	2,000.00	807.17	0.00	1,192.83	40.36
Net - Dept 215 - CLERK		94,592.69	99,288.00	60,304.35	7,076.71	38,983.65	
Dept 253 - TREASURER							
101-253-702-000	WAGES- FULL TIME	0.00	101,905.00	68,780.58	7,845.04	33,124.42	67.49
101-253-703-000	TREASURER SALARY	15,999.96	0.00	0.00	0.00	0.00	0.00
101-253-704-000	WAGES- PART TIME	0.00	16,717.00	11,144.56	1,393.07	5,572.44	66.67
101-253-707-000	WAGES- CASUAL	55,903.63	2,500.00	974.50	0.00	1,525.50	38.98
101-253-707-050	ACCOUNT CLERK 1	6,176.00	0.00	0.00	0.00	0.00	0.00
101-253-707-060	ACCOUNT CLERK II	54,313.05	0.00	0.00	0.00	0.00	0.00
101-253-707-100	ADDITIONAL HELP/OVERTIME	3,282.94	0.00	0.00	0.00	0.00	0.00
101-253-723-000	TREASURER MEMBERSHIPS AND DUES	585.00	600.00	395.00	285.00	205.00	65.83
101-253-724-000	EDUCATION	0.00	2,500.00	2,066.27	0.00	433.73	82.65
101-253-860-000	TREASURER MILEAGE	318.24	500.00	318.51	54.52	181.49	63.70
101-253-862-500	TREASURER'S EXPENSE ACCOUNT	0.00	200.00	0.00	0.00	200.00	0.00
101-253-924-100	TREASURER'S CELL PHONES	215.27	250.00	113.97	18.72	136.03	45.59
101-253-939-000	TREASURER SERVICE CONTRACTS	2,273.00	2,350.00	2,327.00	0.00	23.00	99.02
101-253-981-000	OFFICE EQUIPMENT	2,222.56	1,500.00	759.98	0.00	740.02	50.67
Net - Dept 253 - TREASURER		141,289.65	129,022.00	86,880.37	9,596.35	42,141.63	
Dept 257 - ASSESSING							
101-257-702-000	WAGES- FULL TIME	0.00	216,542.00	136,588.06	16,657.08	79,953.94	63.08
101-257-703-000	ASSESSOR	90,597.21	0.00	0.00	0.00	0.00	0.00
101-257-706-000	ASSESSING BOARD OF REVIEW EXPENSE	2,147.48	0.00	0.00	(330.00)	0.00	0.00
101-257-708-000	SR RESIDENTIAL APPRAISER JM/JG	67,864.88	0.00	0.00	0.00	0.00	0.00
101-257-708-500	RESIDENTIAL APPRAISER	49,767.23	0.00	0.00	0.00	0.00	0.00
101-257-723-000	ASSESSING MEMBERSHIPS AND DUES	1,720.00	1,655.00	190.00	0.00	1,465.00	11.48
101-257-724-000	EDUCATION	8,768.06	9,780.00	3,471.08	20.00	6,308.92	35.49
101-257-727-000	ASSESSING OFFICE SUPPLIES	397.15	6,800.00	48.51	0.00	6,751.49	0.71
101-257-808-000	BOARD OF REVIEW EXPENSES	0.00	3,370.00	1,727.64	330.00	1,642.36	51.27
101-257-860-000	ASSESSING MILEAGE	1,712.51	2,900.00	304.15	70.94	2,595.85	10.49
101-257-862-500	ASSESSING EXPENSE ACCOUNT	54.87	100.00	0.00	0.00	100.00	0.00
101-257-900-000	ASSESSING PRINTING AND PUBLISHING	125.74	1,000.00	1,270.00	471.00	(270.00)	127.00
101-257-924-100	CELL PHONES/DATA	215.27	500.00	113.97	18.72	386.03	22.79
101-257-939-000	ASSESSING SERVICE CONTRACTS	3,343.20	3,525.00	3,396.20	1,354.20	128.80	96.35
101-257-981-000	OFFICE EQUIPMENT	369.00	3,100.00	1,507.59	0.00	1,592.41	48.63
Net - Dept 257 - ASSESSING		227,082.60	249,272.00	148,617.20	18,591.94	100,654.80	
Dept 262 - ELECTIONS							
101-262-703-000	ELECTION SALARIES/PT HELP	21,469.00	0.00	0.00	0.00	0.00	0.00
101-262-703-100	WAGES & SALARIES- EK	1,188.00	0.00	0.00	0.00	0.00	0.00
101-262-707-000	WAGES- CASUAL	0.00	12,000.00	3,626.10	1,007.60	8,373.90	30.22
101-262-756-000	ELECTION SUPPLIES	13,861.35	1,000.00	0.00	0.00	1,000.00	0.00
101-262-788-000	ELECTION MISC EXPENSES	9,173.01	1,000.00	388.29	0.00	611.71	38.83
101-262-801-000	ELECTION CONTRACT INSPECTOR	820.00	0.00	0.00	0.00	0.00	0.00
101-262-932-000	MAINT/OFFICE EQUIP & COMPUTER REPAIR	0.00	0.00	444.60	0.00	(444.60)	100.00
Net - Dept 262 - ELECTIONS		46,511.36	14,000.00	4,458.99	1,007.60	9,541.01	
Dept 265 - BUILDING AND GROUNDS							
101-265-702-000	WAGES- FULL TIME	0.00	272,176.00	173,929.88	20,644.04	98,246.12	63.90
101-265-707-000	WAGES- CASUAL	49,649.28	65,920.00	18,756.76	5,851.25	47,163.24	28.45
101-265-707-100	BLDG & GROUNDS ADDITIONAL HELP	66,195.98	0.00	0.00	0.00	0.00	0.00
101-265-707-200	BLDG & GROUNDS LABORER I	35,850.49	0.00	0.00	0.00	0.00	0.00
101-265-707-250	BLDG & GROUNDS LABORER I	39,068.61	0.00	0.00	0.00	0.00	0.00
101-265-707-300	BLDG & GROUNDS LABORER I	38,360.14	0.00	0.00	0.00	0.00	0.00
101-265-707-400	BLDG & GROUNDS LABORER I	35,976.44	0.00	0.00	0.00	0.00	0.00
101-265-709-000	WAGES/SALARIES OVERTIME	7,893.86	0.00	0.00	0.00	0.00	0.00
101-265-713-000	OVERTIME	0.00	10,000.00	2,991.65	491.67	7,008.35	29.92
101-265-724-000	EDUCATION	0.00	1,250.00	105.00	0.00	1,145.00	8.40
101-265-768-000	BLDG & GROUNDS UNIFORMS	2,508.99	3,200.00	1,641.88	0.00	1,558.12	51.31
101-265-802-200	JANITORIAL & MAINTENANCE	5,999.00	600.00	553.00	0.00	47.00	92.17
101-265-863-000	VEHICLE MAINT	34,099.05	35,000.00	15,792.23	67.00	19,207.77	45.12
101-265-864-000	FUEL	20,130.35	20,000.00	10,180.31	1,846.84	9,869.69	50.65
101-265-921-000	COMPLEX ELECTRICITY	26,251.68	30,000.00	14,466.22	2,199.31	15,533.78	48.22
101-265-923-000	COMPLEX HEATING	8,702.90	12,000.00	4,657.17	57.85	7,342.83	38.81
101-265-924-000	COMPLEX PHONES	17,544.58	21,900.00	14,605.13	3,631.71	7,294.87	66.69
101-265-924-100	BLDG AND GROUNDS CELL PHONES	2,685.38	2,300.00	1,478.12	223.24	821.88	64.27
101-265-927-000	COMPLEX WATER-SEWER	6,531.85	7,500.00	4,106.93	2,494.54	3,393.07	54.76
101-265-931-000	COMPLEX MAINTENANCE	56,398.14	60,000.00	39,863.97	5,693.60	20,136.03	66.44
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	11,336.25	16,250.00	15,339.50	500.00	910.50	94.40

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BGD
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019	MONTH 08/31/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	USED
101-265-939-000	SERVICE CONTRACTS	0.00	800.00	429.51	0.00	370.49	53.69
101-265-961-000	MUSEUM MAINTENANCE	139.05	0.00	0.00	0.00	0.00	0.00
101-265-981-000	OFFICE EQUIPMENT	2,297.28	10,000.00	1,449.99	0.00	8,550.01	14.50
Net - Dept 265 - BUILDING AND GROUNDS		467,619.30	568,896.00	320,297.25	43,701.05	248,598.75	
Dept 276 - CEMETERY							
101-276-820-000	BACKHOE SERVICES	0.00	5,000.00	0.00	0.00	5,000.00	0.00
101-276-821-000	ENGINEERING COSTS	0.00	2,500.00	0.00	0.00	2,500.00	0.00
101-276-921-000	CEMETERY ELECTRICITY	885.33	1,000.00	393.66	54.90	606.34	39.37
101-276-931-000	MAINT & REPAIR/IMPROVEMENTS	75.00	5,000.00	4,685.00	0.00	315.00	93.70
101-276-932-000	CEMETERY MAINT	4,751.21	10,000.00	4,250.53	539.00	5,749.47	42.51
Net - Dept 276 - CEMETERY		5,711.54	23,500.00	9,329.19	593.90	14,170.81	
Dept 295 - ADMINISTRATIVE							
101-295-702-000	WAGES- FULL TIME	0.00	151,263.00	56,793.77	4,712.00	94,469.23	37.55
101-295-704-000	WAGES- PART TIME	67,595.25	0.00	110.32	110.32	(110.32)	100.00
101-295-707-000	WAGES- CASUAL	40,974.20	5,000.00	0.00	0.00	5,000.00	0.00
101-295-709-000	WAGES/SALARIES OVERTIME	1,581.98	0.00	0.00	0.00	0.00	0.00
101-295-713-000	OVERTIME	0.00	2,000.00	0.00	0.00	2,000.00	0.00
101-295-723-000	MEMBERSHIP AND DUES	310.00	775.00	240.00	0.00	535.00	30.97
101-295-724-000	EDUCATION	1,078.65	4,900.00	70.00	0.00	4,830.00	1.43
101-295-725-100	TUITION REIMBURSEMENT	0.00	1,500.00	0.00	0.00	1,500.00	0.00
101-295-726-000	EMPLOYEE TRAINING	2,745.00	10,000.00	523.16	0.00	9,476.84	5.23
101-295-727-000	OFFICE SUPPLIES	14,678.31	15,000.00	5,369.39	352.66	9,630.61	35.80
101-295-730-000	POSTAGE	21,588.62	19,000.00	8,386.57	2,756.52	10,613.43	44.14
101-295-787-000	MISCELLANEOUS	13,706.71	12,200.00	7,943.97	1,468.14	4,256.03	65.11
101-295-788-000	ORDINANCE VIOLATIONS	(474.60)	0.00	0.00	0.00	0.00	0.00
101-295-807-000	AUDIT FEES & SERVICES	15,400.00	15,040.00	15,040.00	0.00	0.00	100.00
101-295-810-000	LIABILITY INSURANCE	15,448.00	17,987.00	16,998.00	0.00	989.00	94.50
101-295-814-000	TAX/ASSESSING ADMIN COSTS	13,614.69	22,000.00	10,409.96	0.00	11,590.04	47.32
101-295-815-000	COMPUTER COSTS-ISP	3,388.50	3,500.00	3,661.50	238.00	(161.50)	104.61
101-295-815-100	COMPUTER COSTS-WEB SITE	4,074.00	6,000.00	165.00	0.00	5,835.00	2.75
101-295-816-000	INSECT/WEED CONTROL	78,291.09	128,100.00	118,246.97	0.00	9,853.03	92.31
101-295-821-000	ENGINEERING COSTS	32,689.62	35,000.00	23,167.50	3,427.00	11,832.50	66.19
101-295-826-000	LEGAL FEES	76,657.99	35,000.00	37,078.35	4,075.40	(2,078.35)	105.94
101-295-860-000	ADMINISTRATIVE MILEAGE	7.09	500.00	78.88	0.00	421.12	15.78
101-295-881-000	FOURTH OF JULY	51,879.00	50,000.00	51,494.64	72.01	(1,494.64)	102.99
101-295-881-200	HALLOWEEN	2,245.74	2,500.00	600.00	600.00	1,900.00	24.00
101-295-881-300	KDL MUSIC PROGRAMING	3,500.00	3,500.00	3,500.00	0.00	0.00	100.00
101-295-882-000	SENIOR CITIZENS	1,666.25	2,000.00	1,617.00	0.00	383.00	80.85
101-295-885-000	NEWSLETTER	14,545.57	20,000.00	14,711.87	1,771.12	5,288.13	73.56
101-295-900-000	PRINTING/PUBLISHING	5,129.83	12,000.00	5,168.85	1,197.34	6,831.15	43.07
101-295-924-100	CELL PHONES/DATA	638.15	2,000.00	1,469.47	212.74	530.53	73.47
101-295-939-000	SERVICE CONTRACTS	13,770.52	17,000.00	1,161.00	0.00	15,839.00	6.83
101-295-941-000	POSTAGE MACHINE LEASE	2,752.68	2,700.00	1,376.34	0.00	1,323.66	50.98
101-295-950-000	PROPERTY TAX REFUNDS	896.39	1,000.00	532.13	0.00	467.87	53.21
101-295-951-000	CABLE EQUIPMENT GRANTS	35,000.00	35,000.00	35,000.00	35,000.00	0.00	100.00
101-295-952-000	REGIS	38,564.32	40,000.00	10,941.10	0.00	29,058.90	27.35
101-295-952-100	KENT COUNTY AERIAL PHOTO	2,647.31	3,000.00	2,647.31	0.00	352.69	88.24
101-295-954-000	NPDES PHASE II	2,855.00	2,900.00	0.00	0.00	2,900.00	0.00
101-295-955-000	COMMUNITY MEDIA CENTER	5,000.00	5,000.00	5,000.00	5,000.00	0.00	100.00
101-295-956-000	RIGHT PLACE PROGRAM	7,500.00	7,500.00	7,500.00	0.00	0.00	100.00
101-295-957-000	GENERAL FUND PHYSICAL EXAMS	313.94	2,000.00	0.00	0.00	2,000.00	0.00
101-295-967-000	SPECIAL PROJECTS	102,740.77	78,000.00	70,597.25	9,136.05	7,402.75	90.51
101-295-981-000	OFFICE EQUIPMENT	5,074.53	5,600.00	6,315.71	329.32	(715.71)	112.78
Net - Dept 295 - ADMINISTRATIVE		700,075.10	776,465.00	523,916.01	70,458.62	252,548.99	
Dept 445 - DRAIN							
101-445-816-000	DRAIN MAINTENANCE	1,184.12	37,000.00	889.90	76.40	36,110.10	2.41
101-445-818-000	STORM WATER GRANT MATCH/KCDC	3,157.20	0.00	0.00	0.00	0.00	0.00
101-445-818-010	STORM WATER/SAW GRANT CONTR SERVICE	28,414.80	0.00	0.00	0.00	0.00	0.00
101-445-821-000	DRAIN ENGINEERING	15,063.00	15,000.00	29,612.35	3,027.85	(14,612.35)	197.42
101-445-822-000	ILLICIT DISCHARGE PLAN	500.00	500.00	500.00	0.00	0.00	100.00
101-445-823-000	LGROW MEMBERSHIP DUES	400.00	400.00	0.00	0.00	400.00	0.00
Net - Dept 445 - DRAIN		48,719.12	52,900.00	31,002.25	3,104.25	21,897.75	
Dept 446 - ROADS							
101-446-818-000	DUST CONTROL LAYER	2,272.62	3,300.00	0.00	0.00	3,300.00	0.00
101-446-821-000	ROAD OVERLAYS	1,414,976.27	1,472,000.00	223,428.37	223,199.74	1,248,571.63	15.18
101-446-821-500	ROAD ENGINEERING STUDIES	165.00	3,000.00	479.65	479.65	2,520.35	15.99
Net - Dept 446 - ROADS		1,417,413.89	1,478,300.00	223,908.02	223,679.39	1,254,391.98	
Dept 447 - YARD WASTE REMOVAL							
101-447-787-000	MISCELLANEOUS	0.00	1,400.00	1,337.00	0.00	63.00	95.50
101-447-818-000	CONTRACTED SERVICES	36,046.00	0.00	0.00	(11,700.00)	0.00	0.00
101-447-820-000	SPRING/FALL CLEAN-UP	17,052.57	26,000.00	28,718.65	25,335.17	(2,718.65)	110.46
101-447-939-000	SERVICE CONTRACTS	0.00	34,000.00	25,688.00	11,700.00	8,312.00	75.55
Net - Dept 447 - YARD WASTE REMOVAL		53,098.57	61,400.00	55,743.65	25,335.17	5,656.35	
Dept 448 - STREET LIGHTS							
101-448-926-000	STREETLIGHTING	128,043.60	120,000.00	80,992.83	11,046.70	39,007.17	67.49
101-448-927-100	TRAFFIC SIGNALS	1,152.94	3,000.00	1,300.61	0.00	1,699.39	43.35
Net - Dept 448 - STREET LIGHTS		129,196.54	123,000.00	82,293.44	11,046.70	40,706.56	
Dept 652 - TRANSPORTATION							

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019	MONTH 08/31/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	USED
101-652-859-000	TRANSPORTATION SERVICES	35,226.83	44,000.00	15,079.15	1,103.65	28,920.85	34.27
101-652-859-100	TRANSPORTATION SERVICE-GO BUS TICKETS	0.00	2,000.00	0.00	0.00	2,000.00	0.00
101-652-861-000	BUS SERVICE 33RD & 36TH	128,269.50	26,289.00	15,146.25	0.00	11,142.75	57.61
101-652-861-100	BUS SERVICE 28TH ST	153,028.78	127,894.00	145,701.67	16,517.54	(17,807.67)	113.92
Net - Dept 652 - TRANSPORTATION		316,519.11	200,183.00	175,927.07	17,621.19	24,255.93	
Dept 721 - PLANNING							
101-721-702-000	WAGES-FULL TIME	0.00	249,073.00	156,320.28	18,750.20	92,752.72	62.76
101-721-703-000	COMMUNITY DEVELOPMENT DIRECTOR	88,794.96	0.00	0.00	0.00	0.00	0.00
101-721-704-500	PLANNING INTERN	5,928.00	0.00	0.00	0.00	0.00	0.00
101-721-705-500	DDA ECONOMIC DEVELOPMENT DIRECTOR	67,127.15	0.00	0.00	0.00	0.00	0.00
101-721-705-550	COMMUNITY STANDARDS OFFICER	51,378.50	0.00	0.00	0.00	0.00	0.00
101-721-706-000	PLANNING COMMISSION PER DIEM	6,030.00	0.00	0.00	0.00	0.00	0.00
101-721-707-000	WAGES-CASUAL	1,020.00	12,500.00	3,132.00	1,056.00	9,368.00	25.06
101-721-723-000	COMM DEV MEMBERSHIPS AND DUES	1,113.00	1,300.00	425.00	0.00	875.00	32.69
101-721-724-000	EDUCATION	2,215.38	7,000.00	975.00	655.00	6,025.00	13.93
101-721-727-000	COMM DEV SUPPLIES	436.44	500.00	266.95	120.92	233.05	53.39
101-721-768-000	COMM DEV UNIFORMS	232.85	500.00	537.34	150.82	(37.34)	107.47
101-721-787-000	MISCELLANEOUS	874.20	500.00	428.78	0.00	71.22	85.76
101-721-809-000	PLANNING COMMISSION EXPENSES	0.00	9,000.00	0.00	0.00	9,000.00	0.00
101-721-860-000	COMM DEV MILEAGE	3,600.34	4,000.00	504.64	20.30	3,495.36	12.62
101-721-862-500	COMM DEV EXPENSE ACCOUNT	264.81	600.00	354.44	23.48	245.56	59.07
101-721-900-000	PRINTING & PUBLISHING	16,612.58	12,000.00	4,116.88	1,387.50	7,883.12	34.31
101-721-901-000	DIGITAL IMAGING	18,502.95	6,000.00	0.00	0.00	6,000.00	0.00
101-721-925-000	COMM DEV CELL/DATA	1,689.67	1,700.00	949.78	141.35	750.22	55.87
101-721-967-000	SPECIAL PROJECTS	96,947.66	60,000.00	21,273.64	2,598.10	38,726.36	35.46
101-721-981-000	OFFICE EQUIPMENT	339.66	2,200.00	759.98	0.00	1,440.02	34.54
Net - Dept 721 - PLANNING		363,108.15	366,873.00	190,044.71	24,903.67	176,828.29	
Dept 756 - PARKS							
101-756-756-000	PARK OPERATING SUPPLIES	3,191.80	6,000.00	3,371.83	2,512.36	2,628.17	56.20
101-756-921-000	PARK ELECTRICITY	5,045.91	5,800.00	2,535.72	484.76	3,264.28	43.72
101-756-924-000	PARK PHONES	792.49	900.00	911.45	152.34	(11.45)	101.27
101-756-927-000	PARK WATER-SEWER	2,926.16	3,200.00	709.72	0.00	2,490.28	22.18
101-756-935-000	PARK MAINTENANCE	55,328.70	55,000.00	26,138.62	1,746.65	28,861.38	47.52
101-756-981-000	OFFICE EQUIPMENT	567.06	5,000.00	0.00	0.00	5,000.00	0.00
Net - Dept 756 - PARKS		67,852.12	75,900.00	33,667.34	4,896.11	42,232.66	
Dept 803 - HISTORICAL							
101-803-758-000	COMMUNITY PROMOTION	6,000.00	6,000.00	6,000.00	0.00	0.00	100.00
101-803-921-000	MUSEUM - ELECTRICITY	685.32	750.00	423.59	116.99	326.41	56.48
101-803-923-000	MUSEUM - HEATING/UTILITY	1,074.19	1,100.00	675.79	36.87	424.21	61.44
101-803-927-000	MUSEUM WATER-SEWER	1,088.22	300.00	254.17	0.00	45.83	84.72
101-803-961-000	MUSEUM MAINTENANCE	1,697.41	2,400.00	829.12	467.89	1,570.88	34.55
Net - Dept 803 - HISTORICAL		10,545.14	10,550.00	8,182.67	621.75	2,367.33	
Dept 850 - BENEFITS/INSURANCE							
101-850-715-000	FICA-EMPLOYER	86,772.59	106,205.00	60,467.40	7,239.30	45,737.60	56.93
101-850-716-000	DEFINED CONTRIBUTION PLAN	66,469.53	87,122.00	76,902.38	5,557.86	10,219.62	88.27
101-850-717-000	WORKERS COMP INSURANCE	31,475.00	30,051.00	(944.35)	0.00	30,995.35	(3.14)
101-850-718-000	VISION INSURANCE BENEFITS	1,978.96	2,771.00	1,736.91	218.56	1,034.09	62.68
101-850-718-200	OTHER BENEFITS	0.00	21,000.00	26,000.00	5,000.00	(5,000.00)	123.81
101-850-719-000	HEALTH INSURANCE BENEFITS	137,551.84	195,029.00	128,691.71	15,152.85	66,337.29	65.99
101-850-719-100	OPT-OUT INSURANCE	4,500.00	5,000.00	3,000.00	500.00	2,000.00	60.00
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	8,652.69	10,853.00	7,853.56	1,076.39	2,999.44	72.36
101-850-721-000	DENTAL INSURANCE BENEFITS	15,326.13	21,570.00	18,321.68	1,613.02	3,248.32	84.94
101-850-721-200	MI CLAIMS TAX - DENTAL	90.03	0.00	0.00	0.00	0.00	0.00
101-850-722-000	PENSION PLAN BENEFITS	139,229.32	91,995.00	40,664.93	0.00	51,330.07	44.20
101-850-723-000	OTHER BENEFITS	1,500.00	0.00	0.00	0.00	0.00	0.00
Net - Dept 850 - BENEFITS/INSURANCE		493,546.09	571,596.00	362,694.22	36,357.98	208,901.78	
Dept 901 - CAPITAL OUTLAY							
101-901-970-000	CAPITAL OUTLAY - FFE	114,054.39	140,000.00	99,174.35	(9,796.59)	40,825.65	70.84
101-901-971-000	CAPITAL OUTLAY - LAND	616.60	0.00	0.00	0.00	0.00	0.00
101-901-974-000	CAPITAL OUTLAY - LANDIMP	95,206.13	450,000.00	16,471.37	5,457.47	433,528.63	3.66
101-901-975-000	CAPITAL OUTLAY - BLDGIMP	253,835.35	30,000.00	130,247.71	1,014.00	(100,247.71)	434.16
Net - Dept 901 - CAPITAL OUTLAY		463,712.47	620,000.00	245,893.43	(3,325.12)	374,106.57	
Dept 965 - TRANSFERS OUT							
101-965-999-004	TRANSFER TO CEMETERY TRUST FUN	3,000.00	1,500.00	0.00	0.00	1,500.00	0.00
101-965-999-005	TRANSFER TO DAM MAJOR REPAIR	40,000.00	40,000.00	20,000.00	0.00	20,000.00	50.00
101-965-999-006	TRANSFER TO FIRE FUND	400,000.00	400,000.00	266,666.68	33,333.33	133,333.32	66.67
Net - Dept 965 - TRANSFERS OUT		443,000.00	441,500.00	286,666.68	33,333.33	154,833.32	
Fund 101 - GENERAL FUND:							
TOTAL REVENUES		4,976,932.76	5,125,129.00	3,341,688.81	502,358.85	1,783,440.19	65.20
TOTAL EXPENDITURES		5,686,503.64	6,093,169.00	2,981,693.28	544,010.80	3,111,475.72	48.94
NET OF REVENUES & EXPENDITURES		(709,570.88)	(968,040.00)	359,995.53	(41,651.95)	(1,328,035.53)	37.19

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP
PERIOD ENDING 08/31/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 101 - GENERAL FUND			
101-000-001-001	CASH DRAWER-PETTY CASH	175.00	
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	498,995.98	
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	108.75	
101-000-001-500	GF CASH - K.C. POOL	1,150,449.75	
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	1,713,686.23	
101-000-001-700	CASH - GIFT CARDS	33.04	
101-000-003-001	CD - INDEPENDENT BANK M 9/27/19	312,389.49	
101-000-003-005	CD - COMERICA M 9/19, 8/20	1,028,848.86	
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/22	535,196.94	
101-000-003-025	CD - MACATAWA BANK M 5/21/2020	262,944.89	
101-000-003-028	CONSUMER CREDIT UNION M 1/08/2021	262,175.00	
101-000-003-033	CD - PRIVATE BANK M3/15/2020	500,000.00	
101-000-003-036	HORIZON BANK CD M 3/9/2020	512,673.60	
101-000-003-038	GRAND RIVER BANK CD M 12/19/20	515,629.42	
101-000-003-041	LAKE MICH CREDIT UNION CD M 6/02/2020	1,000,000.00	
101-000-015-019	M/M - FLAGSTAR BANK	307,560.18	
101-000-017-401	US TREASURY NOTES	999,876.34	
101-000-231-220	DEPENDENT LIFE W/H	93.62	
101-000-231-221	ADDITIONAL LIFE W/H	568.43	
101-000-390-000	FUND BALANCE - UNASSIGNED		6,241,866.99
101-000-391-001	FUND BALANCE - COMMITTED/PENSION 2012		499,543.00
101-000-391-004	FUND BAL - COMMIT FUTURE FACIL IMP 2018		2,500,000.00
101-000-401-401	GENERAL PROPERTY TAXES		1,351,562.88
101-000-401-405	STREETLIGHT		72,772.92
101-000-401-410	PERSONAL PROPERTY TAX		95,825.39
101-000-401-420	DELINQUENT TAXES		2,997.18
101-000-401-437	ABATEMENT TAXES		10,472.05
101-000-401-445	INTEREST & PENALTIES ON TAXES		15,880.32
101-000-401-447	TAX ADMINISTRATION FEES		255,890.12
101-000-450-460	CABLE REVENUE		174,048.75
101-000-450-465	CABLE - PEG FEES		36,703.67
101-000-450-490	DOG LICENSES		72.00
101-000-450-498	OTHER PERMITS		215.00
101-000-451-000	LIQUOR LICENSE		36,129.50
101-000-539-576	STATE SHARED REV.-SALES TAX		744,213.00
101-000-539-581	METRO ACT		15,201.56
101-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		44,318.04
101-000-600-608	PLANNING AND ZONING FEES		4,313.85
101-000-600-614	PA 198 TAX APPLICATION FEE		2,000.00
101-000-600-626	PASSPORT APPLICATION FEE		23,030.00
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS		10,854.00
101-000-600-647	YARD WASTE TAG FEE		632.00

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-000-665-000	INTEREST ON INVESTMENTS		160,173.68
101-000-665-002	DAM LEASE PAYMENTS		116,405.95
101-000-665-003	RENTAL OF FACILITIES		1,110.00
101-000-665-004	CELLULAR TOWERS		81,640.94
101-000-665-014	CELL TOWER - KEPS ANTENA LEASE		450.00
101-000-671-653	PARK INCOME		5,925.00
101-000-671-671	MISCELLANEOUS INCOME		636.06
101-000-671-676	PARK DONATIONS		500.00
101-000-671-680	MISC INCOME - TRANSIT TICKETS		720.00
101-000-673-000	SALE OF ASSETS		8,833.00
101-000-674-000	4TH OF JULY SPONSORS		18,530.00
101-000-674-200	HALLOWEEN SPONSORS		1,025.00
101-000-676-000	ELECTION REIMBURSEMENT		2,194.30
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FUND		46,412.65
101-101-704-000	WAGES- PART TIME	25,075.20	
101-101-723-000	TOWNSHIP DUES	8,523.94	
101-101-924-100	TRUSTEE CELL PHONES	373.93	
101-101-981-000	OFFICE EQUIPMENT	2,295.62	
101-171-702-000	WAGES- FULL TIME	75,834.26	
101-171-704-000	WAGES- PART TIME	13,930.64	
101-171-723-000	SUPERVISOR MEMBERSHIPS AND DUES	838.20	
101-171-724-000	EDUCATION	876.98	
101-171-860-000	SUPERVISOR MILEAGE	1,925.40	
101-171-862-550	MANAGER EXPENSE ACCOUNT	296.35	
101-171-925-000	SUPERVISOR CELL PHONE	1,020.51	
101-171-981-000	OFFICE EQUIPMENT	875.41	
101-215-702-000	WAGES- FULL TIME	45,888.84	
101-215-704-000	WAGES- PART TIME	11,144.56	
101-215-723-000	CLERK MEMBERSHIPS AND DUES	200.00	
101-215-724-000	EDUCATION	1,194.60	
101-215-768-000	UNIFORMS	114.92	
101-215-860-000	CLERK MILEAGE	220.69	
101-215-862-500	CLERK'S EXPENSE ACCOUNT	105.60	
101-215-925-000	CLERK CELL PHONE	627.97	
101-215-981-000	OFFICE EQUIPMENT	807.17	
101-253-702-000	WAGES- FULL TIME	68,780.58	
101-253-704-000	WAGES- PART TIME	11,144.56	
101-253-707-000	WAGES- CASUAL	974.50	
101-253-723-000	TREASURER MEMBERSHIPS AND DUES	395.00	
101-253-724-000	EDUCATION	2,066.27	
101-253-860-000	TREASURER MILEAGE	318.51	
101-253-924-100	TREASURER'S CELL PHONES	113.97	
101-253-939-000	TREASURER SERVICE CONTRACTS	2,327.00	
101-253-981-000	OFFICE EQUIPMENT	759.98	
101-257-702-000	WAGES- FULL TIME	136,588.06	
101-257-723-000	ASSESSING MEMBERSHIPS AND DUES	190.00	
101-257-724-000	EDUCATION	3,471.08	

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-257-727-000	ASSESSING OFFICE SUPPLIES	48.51	
101-257-808-000	BOARD OF REVIEW EXPENSES	1,727.64	
101-257-860-000	ASSESSING MILEAGE	304.15	
101-257-900-000	ASSESSING PRINTING AND PUBLISHING	1,270.00	
101-257-924-100	CELL PHONES/DATA	113.97	
101-257-939-000	ASSESSING SERVICE CONTRACTS	3,396.20	
101-257-981-000	OFFICE EQUIPMENT	1,507.59	
101-262-707-000	WAGES- CASUAL	3,626.10	
101-262-788-000	ELECTION MISC EXPENSES	388.29	
101-262-932-000	MAINT/OFFICE EQUIP & COMPUTER REPAIR	444.60	
101-265-702-000	WAGES- FULL TIME	173,929.88	
101-265-707-000	WAGES- CASUAL	18,756.76	
101-265-713-000	OVERTIME	2,991.65	
101-265-724-000	EDUCATION	105.00	
101-265-768-000	BLDG & GROUNDS UNIFORMS	1,641.88	
101-265-802-200	JANITORIAL & MAINTENANCE	553.00	
101-265-863-000	VEHICLE MAINT	15,792.23	
101-265-864-000	FUEL	10,130.31	
101-265-921-000	COMPLEX ELECTRICITY	14,466.22	
101-265-923-000	COMPLEX HEATING	4,657.17	
101-265-924-000	COMPLEX PHONES	14,605.13	
101-265-924-100	BLDG AND GROUNDS CELL PHONES	1,478.12	
101-265-927-000	COMPLEX WATER-SEWER	4,106.93	
101-265-931-000	COMPLEX MAINTENANCE	39,863.97	
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	15,339.50	
101-265-939-000	SERVICE CONTRACTS	429.51	
101-265-981-000	OFFICE EQUIPMENT	1,449.99	
101-276-921-000	CEMETERY ELECTRICITY	393.66	
101-276-931-000	MAINT & REPAIR/IMPROVEMENTS	4,685.00	
101-276-932-000	CEMETERY MAINT	4,250.53	
101-295-702-000	WAGES- FULL TIME	56,793.77	
101-295-704-000	WAGES- PART TIME	110.32	
101-295-723-000	MEMBERSHIP AND DUES	240.00	
101-295-724-000	EDUCATION	70.00	
101-295-726-000	EMPLOYEE TRAINING	523.16	
101-295-727-000	OFFICE SUPPLIES	5,369.39	
101-295-730-000	POSTAGE	8,386.57	
101-295-787-000	MISCELLANEOUS	7,943.97	
101-295-807-000	AUDIT FEES & SERVICES	15,040.00	
101-295-810-000	LIABILITY INSURANCE	16,998.00	
101-295-814-000	TAX/ASSESSING ADMIN COSTS	10,409.96	
101-295-815-000	COMPUTER COSTS-ISP	3,661.50	
101-295-815-100	COMPUTER COSTS-WEB SITE	165.00	
101-295-816-000	INSECT/WEEED CONTROL	118,246.97	
101-295-821-000	ENGINEERING COSTS	23,167.50	
101-295-826-000	LEGAL FEES	37,078.35	
101-295-860-000	ADMINISTRATIVE MILEAGE	78.88	

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-295-881-000	FOURTH OF JULY	51,494.64	
101-295-881-200	HALLOWEEN	600.00	
101-295-881-300	KDL MUSIC PROGRAMING	3,500.00	
101-295-882-000	SENIOR CITIZENS	1,617.00	
101-295-885-000	NEWSLETTER	14,711.87	
101-295-900-000	PRINTING/PUBLISHING	5,168.85	
101-295-924-100	CELL PHONES/DATA	1,469.47	
101-295-939-000	SERVICE CONTRACTS	1,161.00	
101-295-941-000	POSTAGE MACHINE LEASE	1,376.34	
101-295-950-000	PROPERTY TAX REFUNDS	532.13	
101-295-951-000	CABLE EQUIPMENT GRANTS	35,000.00	
101-295-952-000	REGIS	10,941.10	
101-295-952-100	KENT COUNTY AERIAL PHOTO	2,647.31	
101-295-955-000	COMMUNITY MEDIA CENTER	5,000.00	
101-295-956-000	RIGHT PLACE PROGRAM	7,500.00	
101-295-967-000	SPECIAL PROJECTS	70,597.25	
101-295-981-000	OFFICE EQUIPMENT	6,315.71	
101-445-816-000	DRAIN MAINTENANCE	889.90	
101-445-821-000	DRAIN ENGINEERING	29,612.35	
101-445-822-000	ILLICIT DISCHARGE PLAN	500.00	
101-446-821-000	ROAD OVERLAYS	223,428.37	
101-446-821-500	ROAD ENGINEERING STUDIES	479.65	
101-447-787-000	MISCELLANEOUS	1,337.00	
101-447-820-000	SPRING/FALL CLEAN-UP	28,718.65	
101-447-939-000	SERVICE CONTRACTS	25,688.00	
101-448-926-000	STREETLIGHTING	80,992.83	
101-448-927-100	TRAFFIC SIGNALS	1,300.61	
101-652-859-000	TRANSPORTATION SERVICES	15,079.15	
101-652-861-000	BUS SERVICE 33RD & 36TH	15,146.25	
101-652-861-100	BUS SERVICE 28TH ST	145,701.67	
101-721-702-000	WAGES- FULL TIME	156,320.28	
101-721-707-000	WAGES- CASUAL	3,132.00	
101-721-723-000	COMM DEV MEMBERSHIPS AND DUES	425.00	
101-721-724-000	EDUCATION	975.00	
101-721-727-000	COMM DEV SUPPLIES	266.95	
101-721-768-000	COMM DEV UNIFORMS	537.34	
101-721-787-000	MISCELLANEOUS	428.78	
101-721-860-000	COMM DEV MILEAGE	504.64	
101-721-862-500	COMM DEV EXPENSE ACCOUNT	354.44	
101-721-900-000	PRINTING & PUBLISHING	4,116.88	
101-721-925-000	COMM DEV CELL/DATA	949.78	
101-721-967-000	SPECIAL PROJECTS	21,273.64	
101-721-981-000	OFFICE EQUIPMENT	759.98	
101-756-756-000	PARK OPERATING SUPPLIES	3,371.83	
101-756-921-000	PARK ELECTRICITY	2,535.72	
101-756-924-000	PARK PHONES	911.45	
101-756-927-000	PARK WATER-SEWER	709.72	

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-756-935-000	PARK MAINTENANCE	26,138.62	
101-803-758-000	COMMUNITY PROMOTION	6,000.00	
101-803-921-000	MUSEUM - ELECTRICITY	423.59	
101-803-923-000	MUSEUM - HEATING/UTILITY	675.79	
101-803-927-000	MUSEUM WATER-SEWER	254.17	
101-803-961-000	MUSEUM MAINTENANCE	829.12	
101-850-715-000	FICA-EMPLOYER	60,467.40	
101-850-716-000	DEFINED CONTRIBUTION PLAN	76,902.38	
101-850-717-000	WORKERS COMP INSURANCE		944.35
101-850-718-000	VISION INSURANCE BENEFITS	1,736.91	
101-850-718-200	OTHER BENEFITS	26,000.00	
101-850-719-000	HEALTH INSURANCE BENEFITS	128,691.71	
101-850-719-100	OPT-OUT INSURANCE	3,000.00	
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	7,853.56	
101-850-721-000	DENTAL INSURANCE BENEFITS	18,321.68	
101-850-722-000	PENSION PLAN BENEFITS	40,664.93	
101-901-970-000	CAPITAL OUTLAY - FFE	99,174.35	
101-901-974-000	CAPITAL OUTLAY - LANDIMP	16,471.37	
101-901-975-000	CAPITAL OUTLAY - BLDGIMP	130,247.71	
101-965-999-005	TRANSFER TO DAM MAJOR REPAIR	20,000.00	
101-965-999-006	TRANSFER TO FIRE FUND	266,666.68	
Total Fund 101 - GENERAL FUND		12,584,043.15	12,584,043.15

BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP
Period Ending 08/31/2019

GL Number	Description	Balance
Fund 101 - GENERAL FUND		
*** Assets ***		
101-000-001-001	CASH DRAWER-PETTY CASH	175.00
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	498,995.98
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	108.75
101-000-001-500	GF CASH - K.C. POOL	1,150,449.75
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	1,713,686.23
101-000-001-700	CASH - GIFT CARDS	33.04
101-000-003-001	CD - INDEPENDENT BANK M 9/27/19	312,389.49
101-000-003-005	CD - COMERICA M 9/19, 8/20	1,028,848.86
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/22	535,196.94
101-000-003-025	CD - MACATAWA BANK M 5/21/2020	262,944.89
101-000-003-028	CONSUMER CREDIT UNION M 1/08/2021	262,175.00
101-000-003-033	CD - PRIVATE BANK M3/15/2020	500,000.00
101-000-003-036	HORIZON BANK CD M 3/9/2020	512,673.60
101-000-003-038	GRAND RIVER BANK CD M 12/19/20	515,629.42
101-000-003-041	LAKE MICH CREDIT UNION CD M 6/02/2020	1,000,000.00
101-000-015-019	M/M - FLAGSTAR BANK	307,560.18
101-000-017-401	US TREASURY NOTES	999,876.34
	Total Assets	9,600,743.47
*** Liabilities ***		
101-000-231-220	DEPENDENT LIFE W/H	(93.62)
101-000-231-221	ADDITIONAL LIFE W/H	(568.43)
	Total Liabilities	(662.05)
*** Fund Balance ***		
101-000-390-000	FUND BALANCE - UNASSIGNED	6,241,866.99
101-000-391-001	FUND BALANCE - COMMITTED/PENSION 2012	499,543.00
101-000-391-004	FUND BAL - COMMIT FUTURE FACIL IMP 2018	2,500,000.00
	Total Fund Balance	9,241,409.99
	Beginning Fund Balance	9,241,409.99
	Net of Revenues VS Expenditures	359,995.53
	Ending Fund Balance	9,601,405.52
	Total Liabilities And Fund Balance	9,600,743.47

GL NUMBER	DESCRIPTION	2018 AUDITED BALANCE	2019 AMENDED BUDGET	YTD BALANCE 08/31/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 08/31/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 151 - CEMETERY TRUST FUND							
Revenues							
151-000-600-634	CEMETERY-OPENINGS AND CLOSINGS	0.00	1,500.00	0.00	0.00	1,500.00	0.00
151-000-600-636	CEMETERY-CARE FEE	4,885.00	3,500.00	3,210.00	230.00	290.00	91.71
151-000-665-000	INTEREST ON INVESTMENTS	540.29	550.00	319.56	47.47	230.44	58.10
151-000-699-101	TRANSFER FROM GENERAL FUND	3,000.00	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES		8,425.29	5,550.00	3,529.56	277.47	2,020.44	
Dept 276 - CEMETERY							
151-276-787-000	MISCELLANEOUS	1,073.27	500.00	439.20	0.00	60.80	87.84
151-276-931-000	MAINT & REPAIR/IMPROVEMENTS	3,364.00	2,000.00	0.00	0.00	2,000.00	0.00
Net - Dept 276 - CEMETERY		4,437.27	2,500.00	439.20	0.00	2,060.80	
Fund 151 - CEMETERY TRUST FUND:							
TOTAL REVENUES		8,425.29	5,550.00	3,529.56	277.47	2,020.44	63.60
TOTAL EXPENDITURES		4,437.27	2,500.00	439.20	0.00	2,060.80	17.57
NET OF REVENUES & EXPENDITURES		3,988.02	3,050.00	3,090.36	277.47	(40.36)	101.32

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 151 - CEMETERY TRUST FUND			
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	112,327.13	
151-000-390-000	FUND BALANCE - UNASSIGNED		104,236.77
151-000-391-001	FUND BALANCE-COMMITTED WHITNEYVILLE M 11		5,000.00
151-000-600-636	CEMETERY-CARE FEE		3,210.00
151-000-665-000	INTEREST ON INVESTMENTS		319.56
151-276-787-000	MISCELLANEOUS	439.20	
Total Fund 151 - CEMETERY TRUST FUND		112,766.33	112,766.33

GL Number	Description	Balance
Fund 151 - CEMETERY TRUST FUND		
*** Assets ***		
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	112,327.13
	Total Assets	112,327.13
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
151-000-390-000	FUND BALANCE - UNASSIGNED	104,236.77
151-000-391-001	FUND BALANCE-COMMITTED WHITNEYVILLE M 11	5,000.00
	Total Fund Balance	109,236.77
	Beginning Fund Balance	109,236.77
	Net of Revenues VS Expenditures	3,090.36
	Ending Fund Balance	112,327.13
	Total Liabilities And Fund Balance	112,327.13

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019	MONTH 08/31/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	USED
Fund 206 - FIRE FUND							
Revenues							
206-000-401-402	TAX LEVY	1,752,668.85	1,831,552.00	1,829,482.93	0.00	2,069.07	99.89
206-000-401-410	PERSONAL PROPERTY TAX	123,326.56	134,070.00	129,712.77	0.00	4,357.23	96.75
206-000-401-412	DELINQUENT TAXES-LEVY	4,694.02	8,000.00	4,012.14	0.00	3,987.86	50.15
206-000-401-437	ABATEMENT TAXES-LEVY	14,020.27	14,894.00	14,175.33	0.00	718.67	95.17
206-000-401-441	COMMUNITY STABILIZATION SHARE TAX	51,815.63	47,558.00	0.00	0.00	47,558.00	0.00
206-000-401-445	PENALTIES & INTEREST ON TAXES	348.25	350.00	423.59	0.00	(73.59)	121.03
206-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	66,285.62	0.00	(66,285.62)	100.00
206-000-655-661	DISTRICT COURT FINES	0.00	500.00	660.00	0.00	(160.00)	132.00
206-000-665-000	INTEREST REVENUE	59,980.97	77,500.00	42,650.51	1,542.56	34,849.49	55.03
206-000-665-210	INT ON INVESTMENT COAMERICA PIR148983	3,750.00	0.00	0.00	0.00	0.00	0.00
206-000-671-671	MISCELLANEOUS INCOME	60.00	250.00	0.00	0.00	250.00	0.00
206-000-671-675	DONATIONS	0.00	500.00	0.00	0.00	500.00	0.00
206-000-671-683	REIMBURSEMENTS/REFUNDS	4,919.58	250.00	131.22	0.00	118.78	52.49
206-000-673-000	SALE OF ASSETS	0.00	24,000.00	24,000.00	0.00	0.00	100.00
206-000-699-000	TRANSFER IN	400,000.00	400,000.00	266,666.68	33,333.33	133,333.32	66.67
TOTAL REVENUES		2,415,584.13	2,539,424.00	2,378,200.79	34,875.89	161,223.21	
Dept 336 - FIRE DEPARTMENT							
206-336-702-000	WAGES- FULL TIME	0.00	1,353,328.00	815,050.08	95,013.42	538,277.92	60.23
206-336-703-000	FIREFIGHTERS SALARY	883,772.78	0.00	0.00	0.00	0.00	0.00
206-336-705-000	FIRE CHIEF	87,927.29	0.00	0.00	0.00	0.00	0.00
206-336-707-000	WAGES- CASUAL	76,094.63	120,000.00	113,365.88	12,151.28	6,634.12	94.47
206-336-708-000	LIEUTENANT-TS	69,140.99	0.00	0.00	0.00	0.00	0.00
206-336-708-200	LIEUTENANT-DV	76,191.46	0.00	0.00	0.00	0.00	0.00
206-336-708-400	FIRE INSPECTOR	68,430.96	0.00	0.00	0.00	0.00	0.00
206-336-709-000	WAGES/SALARIES OVERTIME	85,297.81	0.00	0.00	0.00	0.00	0.00
206-336-710-000	FIRE PAID ON CALL	90,780.56	0.00	0.00	0.00	0.00	0.00
206-336-713-000	OVERTIME	0.00	70,000.00	44,589.93	4,485.83	25,410.07	63.70
206-336-723-000	FIRE MEMBERSHIP AND DUES	1,281.00	1,700.00	1,393.18	0.00	306.82	81.95
206-336-724-000	FIRE EDUCATION	6,438.56	10,000.00	4,809.78	721.90	5,190.22	48.10
206-336-725-000	FIRE TUITION	3,076.00	4,500.00	5,928.50	0.00	(1,428.50)	131.74
206-336-726-000	FIRE TRAINING	8,025.87	12,000.00	11,993.26	200.00	6.74	99.94
206-336-727-000	FIRE OFFICE SUPPLIES	3,058.17	3,000.00	2,282.63	158.83	717.37	76.09
206-336-738-000	FIRE MAINT SUPPLIES	2,136.24	1,700.00	1,378.35	67.74	321.65	81.08
206-336-745-000	FIRE FUELS	19,667.84	20,000.00	12,782.93	1,886.12	7,217.07	63.91
206-336-768-000	FIRE UNIFORMS	22,000.71	10,000.00	7,490.15	312.98	2,509.85	74.90
206-336-787-000	MISCELLANEOUS	4,266.01	4,000.00	1,588.86	124.02	2,411.14	39.72
206-336-802-000	CONTRACTUAL SERVICES	11,227.46	12,600.00	8,418.47	0.00	4,181.53	66.81
206-336-803-000	FIRE FIGHTER HIRING	1,603.00	2,000.00	2,492.89	0.00	(492.89)	124.64
206-336-807-000	FIRE AUDIT FEES & SERVICES	2,325.00	2,805.00	2,820.00	0.00	(15.00)	100.53
206-336-810-000	LIABILITY INSURANCE	16,150.00	17,987.00	16,998.00	0.00	989.00	94.50
206-336-826-000	FIRE LEGAL FEES	608.00	1,000.00	0.00	0.00	1,000.00	0.00
206-336-850-000	COMMUNICATIONS	0.00	0.00	10,308.99	10,308.99	(10,308.99)	100.00
206-336-860-000	FIRE MILEAGE	0.00	300.00	0.00	0.00	300.00	0.00
206-336-887-000	FIRE PUBLIC RELATIONS	1,236.74	3,000.00	2,528.57	0.00	471.43	84.29
206-336-901-000	FIRE PUBLICATIONS	2,777.08	1,500.00	923.20	0.00	576.80	61.55
206-336-921-002	FIRE ELECTRICITY/BUTTRICK	7,929.83	12,000.00	0.00	(5,094.03)	12,000.00	0.00
206-336-923-002	FIRE HEATING/BUTTRICK	3,538.36	4,320.00	0.00	(2,886.93)	4,320.00	0.00
206-336-924-000	FIRE PHONES	5,372.27	7,000.00	0.00	(2,189.80)	7,000.00	0.00
206-336-924-002	FIRE PHONES/BUTTRICK	2,720.67	3,000.00	0.00	(2,691.45)	3,000.00	0.00
206-336-924-100	CELL PHONES/DATA-MODEMS	5,539.16	4,500.00	0.00	(5,958.77)	4,500.00	0.00
206-336-927-002	FIRE WATER/BUTTRICK	1,103.75	2,500.00	0.00	(405.93)	2,500.00	0.00
206-336-928-000	UTILITIES	0.00	0.00	9,625.99	9,625.99	(9,625.99)	100.00
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	2,666.45	4,000.00	2,300.49	0.00	1,699.51	57.51
206-336-936-000	FIRE STATION MAINT	15,071.35	16,000.00	13,367.49	4,430.70	2,632.51	83.55
206-336-936-002	FIRE STATION MAINT/BUTTRICK	16,528.25	25,000.00	19,542.27	1,591.98	5,457.73	78.17
206-336-937-000	FIRE RADIO MAINT	5,782.83	10,000.00	5,334.34	383.58	4,665.66	53.34
206-336-938-000	FIRE EQUIPMENT MAINT	63,129.92	48,000.00	29,119.93	(5,434.85)	18,880.07	60.67
206-336-939-000	FIRE COPIER/LEASE/SERVICE	2,950.64	2,500.00	1,576.92	235.48	923.08	63.08
206-336-941-000	FIRE POSTAGE & MACHINE LEASE	750.00	900.00	450.00	150.00	450.00	50.00
206-336-950-000	PROPERTY TAX REFUNDS	0.00	200.00	0.00	0.00	200.00	0.00
206-336-957-000	FIRE PHYSICAL EXAMS	15,109.42	16,000.00	14,416.82	0.00	1,583.18	90.11
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	10,297.30	13,000.00	7,059.99	686.33	5,940.01	54.31
206-336-959-000	FIRE PROTECTIVE CLOTHING	29,542.69	40,000.00	28,835.77	15,636.98	11,164.23	72.09
206-336-981-000	OFFICE EQUIPMENT	18,870.20	25,000.00	11,895.22	7,160.99	13,104.78	47.58
Net - Dept 336 - FIRE DEPARTMENT		1,750,417.25	1,885,340.00	1,210,668.88	140,671.38	674,671.12	
Dept 850 - BENEFITS/INSURANCE							
206-850-715-000	FICA-EMPLOYER	104,089.28	118,065.00	73,668.66	8,150.63	44,396.34	62.40
206-850-716-000	DEFINED CONTRIBUTION PLAN	137,641.65	100,529.00	72,410.79	8,667.45	28,118.21	72.03
206-850-717-000	WORKERS COMP INSURANCE	78,309.65	74,776.00	(2,341.98)	0.00	77,117.98	(3.13)
206-850-718-000	VISION INSURANCE BENEFITS	2,495.64	3,010.00	1,664.16	198.15	1,345.84	55.29
206-850-718-200	OTHER BENEFITS	0.00	21,000.00	22,000.00	6,000.00	(1,000.00)	104.76
206-850-719-000	HEALTH INSURANCE BENEFITS	140,985.27	176,551.00	140,411.76	14,582.88	36,139.24	79.53
206-850-719-100	OPT-OUT INSURANCE	6,113.10	6,000.00	4,500.00	0.00	1,500.00	75.00
206-850-720-000	LIFE & DISABILITY INSURANCE	9,866.22	11,893.00	9,989.31	1,083.61	1,903.69	83.99
206-850-720-100	FIRE CASUALTY INSURANCE	18,649.00	0.00	0.00	0.00	0.00	0.00
206-850-721-000	DENTAL INSURANCE BENEFITS	19,523.87	23,160.00	14,992.15	1,941.09	8,167.85	64.73
206-850-721-200	MI CLAIMS TAX - DENTAL	143.86	0.00	0.00	0.00	0.00	0.00
206-850-722-000	PENSION PLAN BENEFITS	152,550.90	106,259.00	44,019.32	(1,372.20)	62,239.68	41.43
Net - Dept 850 - BENEFITS/INSURANCE		670,368.44	641,243.00	381,314.17	39,251.61	259,928.83	

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Dept 901 - CAPITAL OUTLAY							
206-901-970-000	CAPITAL OUTLAY - FFE	77,461.30	35,000.00	34,932.93	0.00	67.07	99.81
206-901-974-000	CAPITAL OUTLAY - LAND IMP	6,269.84	0.00	0.00	0.00	0.00	0.00
Net - Dept 901 - CAPITAL OUTLAY		83,731.14	35,000.00	34,932.93	0.00	67.07	
Dept 965 - TRANSFERS OUT							
206-965-999-208	TRANSFER TO HAZMAT	0.00	2,000.00	2,000.00	2,000.00	0.00	100.00
Net - Dept 965 - TRANSFERS OUT		0.00	2,000.00	2,000.00	2,000.00	0.00	
Fund 206 - FIRE FUND:							
TOTAL REVENUES		2,415,584.13	2,539,424.00	2,378,200.79	34,875.89	161,223.21	93.65
TOTAL EXPENDITURES		2,504,516.83	2,563,583.00	1,628,915.98	181,922.99	934,667.02	63.54
NET OF REVENUES & EXPENDITURES		(88,932.70)	(24,159.00)	749,284.81	(147,047.10)	(773,443.81)	3,101.47

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 206 - FIRE FUND			
206-000-001-001	CASH DRAWER-PETTY CASH	80.00	
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	588,836.17	
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	348,285.97	
206-000-003-000	53RD -CASH	0.05	
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00	
206-000-003-031	WELLS FARGO CD 949763SX5 M 9/13/19	500,000.00	
206-000-003-032	COMMUNITY CHOICE CR UN M 4/18/21	261,290.23	
206-000-003-035	ADVENTURE CR UNION M 2/23/20	255,688.63	
206-000-003-039	LEVEL ONE BANK CD M11/21/2019	266,244.86	
206-000-015-005	MONEY MARKET LAKE MICH CR UN	5.00	
206-000-017-001	COMERICA CP M 9/20/19	992,063.89	
206-000-390-000	FUND BALANCE - UNASSIGNED		2,463,214.99
206-000-401-402	TAX LEVY		1,829,482.93
206-000-401-410	PERSONAL PROPERTY TAX		129,712.77
206-000-401-412	DELINQUENT TAXES-LEVY		4,012.14
206-000-401-437	ABATEMENT TAXES-LEVY		14,175.33
206-000-401-445	PENALTIES & INTEREST ON TAXES		423.59
206-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		66,285.62
206-000-655-661	DISTRICT COURT FINES		660.00
206-000-665-000	INTEREST REVENUE		42,650.51
206-000-671-683	REIMBURSEMENTS/REFUNDS		131.22
206-000-673-000	SALE OF ASSETS		24,000.00
206-000-699-000	TRANSFER IN		266,666.68
206-336-702-000	WAGES- FULL TIME	815,050.08	
206-336-707-000	WAGES- CASUAL	113,365.88	
206-336-713-000	OVERTIME	44,589.93	
206-336-723-000	FIRE MEMBERSHIP AND DUES	1,393.18	
206-336-724-000	FIRE EDUCATION	4,809.78	
206-336-725-000	FIRE TUITION	5,928.50	
206-336-726-000	FIRE TRAINING	11,993.26	
206-336-727-000	FIRE OFFICE SUPPLIES	2,282.63	
206-336-738-000	FIRE MAINT SUPPLIES	1,378.35	
206-336-745-000	FIRE FUELS	12,782.93	
206-336-768-000	FIRE UNIFORMS	7,490.15	
206-336-787-000	MISCELLANEOUS	1,588.86	
206-336-802-000	CONTRACTUAL SERVICES	8,418.47	
206-336-803-000	FIRE FIGHTER HIRING	2,492.89	
206-336-807-000	FIRE AUDIT FEES & SERVICES	2,820.00	
206-336-810-000	LIABILITY INSURANCE	16,998.00	
206-336-850-000	COMMUNICATIONS	10,308.99	
206-336-887-000	FIRE PUBLIC RELATIONS	2,528.57	
206-336-901-000	FIRE PUBLICATIONS	923.20	
206-336-928-000	UTILITIES	9,625.99	
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	2,300.49	
206-336-936-000	FIRE STATION MAINT	13,367.49	

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
206-336-936-002	FIRE STATION MAINT/BUTTRICK	19,542.27	
206-336-937-000	FIRE RADIO MAINT	5,334.34	
206-336-938-000	FIRE EQUIPMENT MAINT	29,119.93	
206-336-939-000	FIRE COPIER/LEASE/SERVICE	1,576.92	
206-336-941-000	FIRE POSTAGE & MACHINE LEASE	450.00	
206-336-957-000	FIRE PHYSICAL EXAMS	14,416.82	
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	7,059.99	
206-336-959-000	FIRE PROTECTIVE CLOTHING	28,835.77	
206-336-981-000	OFFICE EQUIPMENT	11,895.22	
206-850-715-000	FICA-EMPLOYER	73,668.66	
206-850-716-000	DEFINED CONTRIBUTION PLAN	72,410.79	
206-850-717-000	WORKERS COMP INSURANCE		2,341.98
206-850-718-000	VISION INSURANCE BENEFITS	1,664.16	
206-850-718-200	OTHER BENEFITS	22,000.00	
206-850-719-000	HEALTH INSURANCE BENEFITS	140,411.76	
206-850-719-100	OPT-OUT INSURANCE	4,500.00	
206-850-720-000	LIFE & DISABILITY INSURANCE	9,989.31	
206-850-721-000	DENTAL INSURANCE BENEFITS	14,992.15	
206-850-722-000	PENSION PLAN BENEFITS	44,019.32	
206-901-970-000	CAPITAL OUTLAY - FFE	34,932.93	
206-965-999-208	TRANSFER TO HAZMAT	2,000.00	
Total Fund 206 - FIRE FUND		4,843,757.76	4,843,757.76

GL Number	Description	Balance
Fund 206 - FIRE FUND		
*** Assets ***		
206-000-001-001	CASH DRAWER-PETTY CASH	80.00
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	588,836.17
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	348,285.97
206-000-003-000	53RD -CASH	0.05
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00
206-000-003-031	WELLS FARGO CD 949763SX5 M 9/13/19	500,000.00
206-000-003-032	COMMUNITY CHOICE CR UN M 4/18/21	261,290.23
206-000-003-035	ADVENTURE CR UNION M 2/23/20	255,688.63
206-000-003-039	LEVEL ONE BANK CD M11/21/2019	266,244.86
206-000-015-005	MONEY MARKET LAKE MICH CR UN	5.00
206-000-017-001	COMERICA CP M 9/20/19	992,063.89
	Total Assets	3,212,499.80
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
206-000-390-000	FUND BALANCE - UNASSIGNED	2,463,214.99
	Total Fund Balance	2,463,214.99
	Beginning Fund Balance	2,463,214.99
	Net of Revenues VS Expenditures	749,284.81
	Ending Fund Balance	3,212,499.80
	Total Liabilities And Fund Balance	3,212,499.80

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 207 - POLICE FUND							
Revenues							
207-000-401-402	TAX LEVY	611,783.55	639,306.00	638,583.10	0.00	722.90	99.89
207-000-401-410	PERSONAL PROPERTY TAX	43,048.16	46,555.00	45,276.60	0.00	1,278.40	97.25
207-000-401-412	DELINQUENT TAXES-LEVY	1,638.31	5,000.00	1,400.31	0.00	3,599.69	28.01
207-000-401-437	ABATEMENT TAXES-LEVY	4,893.96	5,200.00	4,947.98	0.00	252.02	95.15
207-000-401-441	COMMUNITY STABILIZATION SHARE TAX	9,813.21	16,601.00	0.00	0.00	16,601.00	0.00
207-000-401-445	INTEREST & PENALTIES ON TAX	121.47	150.00	147.81	0.00	2.19	98.54
207-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	23,727.06	0.00	(23,727.06)	100.00
207-000-665-000	INTEREST REVENUE	12,054.27	30,000.00	5,700.97	428.33	24,299.03	19.00
TOTAL REVENUES		683,352.93	742,812.00	719,783.83	428.33	23,028.17	
Dept 301 - POLICE DEPARTMENT							
207-301-787-000	MISCELLANEOUS	5,626.14	5,000.00	0.00	0.00	5,000.00	0.00
207-301-801-000	SHERIFF PROTECTION	637,991.34	665,000.00	315,012.51	5,989.00	349,987.49	47.37
207-301-950-000	PROPERTY TAX REFUNDS	0.00	150.00	0.00	0.00	150.00	0.00
Net - Dept 301 - POLICE DEPARTMENT		643,617.48	670,150.00	315,012.51	5,989.00	355,137.49	
Dept 965 - TRANSFERS OUT							
207-965-999-000	TRANSFER TO OTHER FUND	31,499.00	31,499.00	0.00	0.00	31,499.00	0.00
Net - Dept 965 - TRANSFERS OUT		31,499.00	31,499.00	0.00	0.00	31,499.00	
Fund 207 - POLICE FUND:							
TOTAL REVENUES		683,352.93	742,812.00	719,783.83	428.33	23,028.17	96.90
TOTAL EXPENDITURES		675,116.48	701,649.00	315,012.51	5,989.00	386,636.49	44.90
NET OF REVENUES & EXPENDITURES		8,236.45	41,163.00	404,771.32	(5,560.67)	(363,608.32)	983.34

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 207 - POLICE FUND			
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05	
207-000-003-027	CD - NORTHPOINTE BANK M 5/09/20	264,005.12	
207-000-003-029	CD - FIRST COMMUNITY BANK M 3/13/20	250,000.00	
207-000-003-033	CD - PRIVATE BANK M 9/25/19	759,534.49	
207-000-015-019	POLICE M/M FLAGSTAR BANK	442,642.16	
207-000-390-000	FUND BALANCE - UNASSIGNED		1,081,410.50
207-000-391-001	FUND BALANCE - COMMITTED/ PP TAX 2012		230,000.00
207-000-401-402	TAX LEVY		638,583.10
207-000-401-410	PERSONAL PROPERTY TAX		45,276.60
207-000-401-412	DELINQUENT TAXES-LEVY		1,400.31
207-000-401-437	ABATEMENT TAXES-LEVY		4,947.98
207-000-401-445	INTEREST & PENALTIES ON TAX		147.81
207-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		23,727.06
207-000-665-000	INTEREST REVENUE		5,700.97
207-301-801-000	SHERIFF PROTECTION	315,012.51	
Total Fund 207 - POLICE FUND		2,031,194.33	2,031,194.33

GL Number	Description	Balance
Fund 207 - POLICE FUND		
*** Assets ***		
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05
207-000-003-027	CD - NORTHPOINTE BANK M 5/09/20	264,005.12
207-000-003-029	CD - FIRST COMMUNITY BANK M 3/13/20	250,000.00
207-000-003-033	CD - PRIVATE BANK M 9/25/19	759,534.49
207-000-015-019	POLICE M/M FLAGSTAR BANK	442,642.16
	Total Assets	1,716,181.82
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
207-000-390-000	FUND BALANCE - UNASSIGNED	1,081,410.50
207-000-391-001	FUND BALANCE - COMMITTED/ PP TAX 2012	230,000.00
	Total Fund Balance	1,311,410.50
	Beginning Fund Balance	1,311,410.50
	Net of Revenues VS Expenditures	404,771.32
	Ending Fund Balance	1,716,181.82
	Total Liabilities And Fund Balance	1,716,181.82

GL NUMBER	DESCRIPTION	2018 AUDITED BALANCE	2019 AMENDED BUDGET	YTD BALANCE 08/31/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 08/31/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 208 - HAZMAT FUND							
Revenues							
208-000-581-000	LOCAL CONTRIBUTIONS	0.00	4,000.00	4,000.00	0.00	0.00	100.00
208-000-665-000	HAZMAT INTEREST	105.13	200.00	57.21	8.87	142.79	28.61
208-000-699-000	TRANSFER IN	0.00	2,000.00	2,000.00	2,000.00	0.00	100.00
TOTAL REVENUES		105.13	6,200.00	6,057.21	2,008.87	142.79	
Dept 344 - HAZMAT							
208-344-726-000	HAZMAT SUPPLIES	0.00	500.00	0.00	0.00	500.00	0.00
208-344-787-000	MISCELLANEOUS	0.00	1,500.00	467.69	0.00	1,032.31	31.18
208-344-789-000	HAZMAT TRAINING	1,266.93	3,000.00	1,226.80	0.00	1,773.20	40.89
208-344-958-000	HAZMAT EQUIPMENT	4,981.50	3,000.00	0.00	0.00	3,000.00	0.00
Net - Dept 344 - HAZMAT		6,248.43	8,000.00	1,694.49	0.00	6,305.51	
Fund 208 - HAZMAT FUND:							
TOTAL REVENUES		105.13	6,200.00	6,057.21	2,008.87	142.79	97.70
TOTAL EXPENDITURES		6,248.43	8,000.00	1,694.49	0.00	6,305.51	21.18
NET OF REVENUES & EXPENDITURES		(6,143.30)	(1,800.00)	4,362.72	2,008.87	(6,162.72)	242.37

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 208 - HAZMAT FUND			
208-000-015-005	MM LAKE MICH CR UN 112010265771	31,839.23	
208-000-390-000	FUND BALANCE - UNASSIGNED		27,476.51
208-000-581-000	LOCAL CONTRIBUTIONS		4,000.00
208-000-665-000	HAZMAT INTEREST		57.21
208-000-699-000	TRANSFER IN		2,000.00
208-344-787-000	MISCELLANEOUS	467.69	
208-344-789-000	HAZMAT TRAINING	1,226.80	
Total Fund 208 - HAZMAT FUND		33,533.72	33,533.72

GL Number	Description	Balance
Fund 208 - HAZMAT FUND		
*** Assets ***		
208-000-015-005	MM LAKE MICH CR UN 112010265771	31,839.23
	Total Assets	31,839.23
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
208-000-390-000	FUND BALANCE - UNASSIGNED	27,476.51
	Total Fund Balance	27,476.51
	Beginning Fund Balance	27,476.51
	Net of Revenues VS Expenditures	4,362.72
	Ending Fund Balance	31,839.23
	Total Liabilities And Fund Balance	31,839.23

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 209 - CCT OPEN SPACE							
Revenues							
209-000-401-402	TAX LEVY	306,473.11	320,265.00	319,901.21	0.00	363.79	99.89
209-000-401-410	PERSONAL PROPERTY TAX	21,565.64	23,443.00	22,681.74	0.00	761.26	96.75
209-000-401-412	DELINQUENT TAXES-LEVY	820.82	2,000.00	701.45	0.00	1,298.55	35.07
209-000-401-437	ABATEMENT TAXES-LEVY	2,451.67	2,604.00	2,478.81	0.00	125.19	95.19
209-000-401-441	COMMUNITY STABILIZATION SHARE TAX	24,035.25	8,317.00	0.00	0.00	8,317.00	0.00
209-000-401-445	INTEREST & PENALTIES ON TAXES	60.67	75.00	73.94	0.00	1.06	98.59
209-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	10,333.15	0.00	(10,333.15)	100.00
209-000-665-000	INTEREST ON INVESTMENTS	4,690.54	2,400.00	3,106.83	273.30	(706.83)	129.45
209-000-665-408	INTEREST ON HOMEYER FUND	6,699.46	8,000.00	5,341.11	749.72	2,658.89	66.76
209-000-671-674	DONATIONS - HOMEYER	1,000.00	0.00	0.00	0.00	0.00	0.00
209-000-671-675	DONATIONS	0.00	1,000.00	0.00	0.00	1,000.00	0.00
TOTAL REVENUES		367,797.16	368,104.00	364,618.24	1,023.02	3,485.76	
Dept 751 - OPEN SPACE PRESERVATION							
209-751-921-000	ELECTRICITY	1,872.93	2,000.00	1,568.45	177.28	431.55	78.42
209-751-923-000	HEATING/UTILITY	0.00	1,500.00	0.00	0.00	1,500.00	0.00
209-751-927-000	WATER-SEWER	359.56	500.00	177.61	0.00	322.39	35.52
209-751-935-000	PARK MAINTENANCE	16,249.42	20,000.00	1,388.26	125.00	18,611.74	6.94
209-751-950-000	TAX REFUNDS	0.00	100.00	0.00	0.00	100.00	0.00
Net - Dept 751 - OPEN SPACE PRESERVATION		18,481.91	24,100.00	3,134.32	302.28	20,965.68	
Dept 905 - DEBT SERVICE							
209-905-993-001	DEBIT SERVICE PAYING AGENT FEES	750.00	0.00	0.00	0.00	0.00	0.00
Net - Dept 905 - DEBT SERVICE		750.00	0.00	0.00	0.00	0.00	
Dept 990 - DEBT SERVICE							
209-990-991-201	BOND PRINCIPAL REFINANCE	29,000.00	35,000.00	35,000.00	0.00	0.00	100.00
209-990-992-001	BOND PRINCIPAL PAYMENT	225,000.00	230,000.00	230,000.00	0.00	0.00	100.00
209-990-992-201	BOND INTEREST REFINANCE	58,906.97	52,235.00	26,287.00	0.00	25,948.00	50.32
209-990-996-001	INTEREST AND FEES BA 2009	12,818.13	4,370.00	4,370.00	0.00	0.00	100.00
Net - Dept 990 - DEBT SERVICE		325,725.10	321,605.00	295,657.00	0.00	25,948.00	
Fund 209 - CCT OPEN SPACE:							
TOTAL REVENUES		367,797.16	368,104.00	364,618.24	1,023.02	3,485.76	99.05
TOTAL EXPENDITURES		344,957.01	345,705.00	298,791.32	302.28	46,913.68	86.43
NET OF REVENUES & EXPENDITURES		22,840.15	22,399.00	65,826.92	720.74	(43,427.92)	293.88

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 209 - CCT OPEN SPACE			
209-000-001-100	CASH -CHEM	428,730.59	
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	369,452.69	
209-000-390-000	FUND BALANCE - UNASSIGNED		375,944.24
209-000-391-004	FUND BALANCE - COMMITTTED HOMEYER 12/15		356,412.12
209-000-401-402	TAX LEVY		319,901.21
209-000-401-410	PERSONAL PROPERTY TAX		22,681.74
209-000-401-412	DELINQUENT TAXES-LEVY		701.45
209-000-401-437	ABATEMENT TAXES-LEVY		2,478.81
209-000-401-445	INTEREST & PENALTIES ON TAXES		73.94
209-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		10,333.15
209-000-665-000	INTEREST ON INVESTMENTS		3,106.83
209-000-665-408	INTEREST ON HOMEYER FUND		5,341.11
209-751-921-000	ELECTRICITY	1,568.45	
209-751-927-000	WATER-SEWER	177.61	
209-751-935-000	PARK MAINTENANCE	1,388.26	
209-990-991-201	BOND PRINCIPAL REFINANCE	35,000.00	
209-990-992-001	BOND PRINCIPAL PAYMENT	230,000.00	
209-990-992-201	BOND INTEREST REFINANCE	26,287.00	
209-990-996-001	INTEREST AND FEES BA 2009	4,370.00	
Total Fund 209 - CCT OPEN SPACE		1,096,974.60	1,096,974.60

GL Number	Description	Balance
Fund 209 - CCT OPEN SPACE		
*** Assets ***		
209-000-001-100	CASH -CHEM	428,730.59
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	369,452.69
	Total Assets	798,183.28
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
209-000-390-000	FUND BALANCE - UNASSIGNED	375,944.24
209-000-391-004	FUND BALANCE - COMMITTED HOMEYER 12/15	356,412.12
	Total Fund Balance	732,356.36
	Beginning Fund Balance	732,356.36
	Net of Revenues VS Expenditures	65,826.92
	Ending Fund Balance	798,183.28
	Total Liabilities And Fund Balance	798,183.28

GL NUMBER	DESCRIPTION	2018 AUDITED BALANCE	2019 AMENDED BUDGET	YTD BALANCE 08/31/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 08/31/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 211 - DAM MAJOR REPAIR FUND							
Revenues							
211-000-665-000	INTEREST REVENUE	12,713.24	7,000.00	5,162.25	762.90	1,837.75	73.75
211-000-675-000	CONTRIBUTIONS	5,000.00	5,000.00	5,000.00	0.00	0.00	100.00
211-000-699-101	TRANSFER FROM GENERAL FUND	40,000.00	40,000.00	20,000.00	0.00	20,000.00	50.00
TOTAL REVENUES		57,713.24	52,000.00	30,162.25	762.90	21,837.75	
Dept 901 - CAPITAL OUTLAY							
211-901-990-000	INSPECTION REPORTS	0.00	5,000.00	0.00	0.00	5,000.00	0.00
Net - Dept 901 - CAPITAL OUTLAY		0.00	5,000.00	0.00	0.00	5,000.00	
Fund 211 - DAM MAJOR REPAIR FUND:							
TOTAL REVENUES		57,713.24	52,000.00	30,162.25	762.90	21,837.75	58.00
TOTAL EXPENDITURES		0.00	5,000.00	0.00	0.00	5,000.00	0.00
NET OF REVENUES & EXPENDITURES		57,713.24	47,000.00	30,162.25	762.90	16,837.75	64.18

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 211 - DAM MAJOR REPAIR FUND			
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	375,956.81	
211-000-003-014	CD - LAKE MICH CR UN 3/10/2020	328,971.95	
211-000-390-000	FUND BALANCE - UNASSIGNED		424,766.51
211-000-391-001	FUND BALANCE-COMMITTED/FUTURE REPAIRS12		250,000.00
211-000-665-000	INTEREST REVENUE		5,162.25
211-000-675-000	CONTRIBUTIONS		5,000.00
211-000-699-101	TRANSFER FROM GENERAL FUND		20,000.00
Total Fund 211 - DAM MAJOR REPAIR FUND		704,928.76	704,928.76

GL Number	Description	Balance
Fund 211 - DAM MAJOR REPAIR FUND		
*** Assets ***		
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	375,956.81
211-000-003-014	CD - LAKE MICH CR UN 3/10/2020	328,971.95
	Total Assets	704,928.76
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
211-000-390-000	FUND BALANCE - UNASSIGNED	424,766.51
211-000-391-001	FUND BALANCE-COMMITTED/FUTURE REPAIRS12	250,000.00
	Total Fund Balance	674,766.51
	Beginning Fund Balance	674,766.51
	Net of Revenues VS Expenditures	30,162.25
	Ending Fund Balance	704,928.76
	Total Liabilities And Fund Balance	704,928.76

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 216 - PATHWAYS FUND							
Revenues							
216-000-401-402	TAX LEVY	531,024.49	489,539.00	490,322.21	0.00	(783.21)	100.16
216-000-401-410	PERSONAL PROPERTY TAX	37,365.37	35,648.00	33,333.21	0.00	2,314.79	93.51
216-000-401-412	DELINQUENT TAX LEVY	1,422.07	2,000.00	1,074.98	0.00	925.02	53.75
216-000-401-437	ABATEMENT TAXES-LEVY	4,247.95	3,981.00	3,788.66	0.00	192.34	95.17
216-000-401-441	COMMUNITY STABILIZATION SHARE TAX	41,623.17	12,712.00	0.00	0.00	12,712.00	0.00
216-000-401-445	PENALTIES & INTEREST ON TAX	105.60	100.00	113.60	0.00	(13.60)	113.60
216-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	17,903.29	0.00	(17,903.29)	100.00
216-000-665-000	INTEREST REVENUE	18,581.96	12,000.00	4,903.92	766.79	7,096.08	40.87
216-000-671-000	INSURANCE REIMBURSEMENT	6,970.00	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES		641,340.61	555,980.00	551,439.87	766.79	4,540.13	
Dept 758 - PATHWAYS							
216-758-728-000	OPERATING SUPPLIES	5,284.95	8,000.00	5,598.30	0.00	2,401.70	69.98
216-758-821-100	ENGINEERING	28,159.25	15,000.00	93,481.44	21,243.27	(78,481.44)	623.21
216-758-931-000	MAINT & REPAIR	64,061.35	100,000.00	9,359.05	7,452.12	90,640.95	9.36
216-758-931-200	PATHWAY MAINTENANCE	0.00	47,700.00	0.00	0.00	47,700.00	0.00
Net - Dept 758 - PATHWAYS		97,505.55	170,700.00	108,438.79	28,695.39	62,261.21	
Fund 216 - PATHWAYS FUND:							
TOTAL REVENUES		641,340.61	555,980.00	551,439.87	766.79	4,540.13	99.18
TOTAL EXPENDITURES		97,505.55	170,700.00	108,438.79	28,695.39	62,261.21	63.53
NET OF REVENUES & EXPENDITURES		543,835.06	385,280.00	443,001.08	(27,928.60)	(57,721.08)	114.98

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 216 - PATHWAYS FUND			
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	304,042.40	
216-000-003-016	CD- ADVENTURE CU M 4/09/20	541,910.74	
216-000-003-033	CD - PRIVATE BANK M 10/17/20	503,000.00	
216-000-003-038	GRAND RIVER BANK M 10/4/19	500,000.00	
216-000-015-025	PATHWAYS M/M MACATAWA BANK	286,395.76	
216-000-390-000	FUND BALANCE - UNASSIGNED		1,692,347.82
216-000-401-402	TAX LEVY		490,322.21
216-000-401-410	PERSONAL PROPERTY TAX		33,333.21
216-000-401-412	DELINQUENT TAX LEVY		1,074.98
216-000-401-437	ABATEMENT TAXES-LEVY		3,788.66
216-000-401-445	PENALTIES & INTEREST ON TAX		113.60
216-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		17,903.29
216-000-665-000	INTEREST REVENUE		4,903.92
216-758-728-000	OPERATING SUPPLIES	5,598.30	
216-758-821-100	ENGINEERING	93,481.44	
216-758-931-000	MAINT & REPAIR	9,359.05	
Total Fund 216 - PATHWAYS FUND		2,243,787.69	2,243,787.69

GL Number	Description	Balance
Fund 216 - PATHWAYS FUND		
*** Assets ***		
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	304,042.40
216-000-003-016	CD- ADVENTURE CU M 4/09/20	541,910.74
216-000-003-033	CD - PRIVATE BANK M 10/17/20	503,000.00
216-000-003-038	GRAND RIVER BANK M 10/4/19	500,000.00
216-000-015-025	PATHWAYS M/M MACATAWA BANK	286,395.76
	Total Assets	2,135,348.90
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
216-000-390-000	FUND BALANCE - UNASSIGNED	1,692,347.82
	Total Fund Balance	1,692,347.82
	Beginning Fund Balance	1,692,347.82
	Net of Revenues VS Expenditures	443,001.08
	Ending Fund Balance	2,135,348.90
	Total Liabilities And Fund Balance	2,135,348.90

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 246 - IRF							
Revenues							
246-000-630-000	HOOKUP FEES	517,228.00	200,000.00	160,064.00	14,326.00	39,936.00	80.03
246-000-665-000	INTEREST ON INVESTMENTS	27,758.62	15,000.00	13,098.71	2,020.41	1,901.29	87.32
246-000-669-000	INT & P S/A-ORDINANCE	3,765.59	1,000.00	829.42	0.00	170.58	82.94
246-000-672-000	S/A REVENUE-ORDINANCE	18,119.69	0.00	0.00	0.00	0.00	0.00
246-000-672-008	S/A REVENUE-INACTIVE	0.00	1,000.00	675.00	0.00	325.00	67.50
246-000-672-011	S/A REVENUE - OAK TERRACE	6,984.74	6,500.00	6,402.66	0.00	97.34	98.50
246-000-672-012	S/A REVENUE - TRD	0.00	12,500.00	12,196.24	0.00	303.76	97.57
TOTAL REVENUES		573,856.64	236,000.00	193,266.03	16,346.41	42,733.97	
Dept 295 - ADMINISTRATIVE							
246-295-821-000	ADMIN ENGINEERING COSTS	16,316.27	30,000.00	8,592.46	2,914.50	21,407.54	28.64
246-295-826-000	ADMIN LEGAL FEES	4,230.00	2,500.00	200.00	0.00	2,300.00	8.00
246-295-964-000	ADMIN 10%/HOOKUP TO GENERAL	51,722.80	20,000.00	0.00	0.00	20,000.00	0.00
246-295-980-000	ADMIN MISCELLANEOUS EXPENSE	55.00	1,000.00	0.00	0.00	1,000.00	0.00
Net - Dept 295 - ADMINISTRATIVE		72,324.07	53,500.00	8,792.46	2,914.50	44,707.54	
Dept 901 - CAPITAL OUTLAY							
246-901-974-000	CAPITAL OUTLAY - LANDIMP	251,772.62	66,000.00	0.00	0.00	66,000.00	0.00
Net - Dept 901 - CAPITAL OUTLAY		251,772.62	66,000.00	0.00	0.00	66,000.00	
Fund 246 - IRF:							
TOTAL REVENUES		573,856.64	236,000.00	193,266.03	16,346.41	42,733.97	81.89
TOTAL EXPENDITURES		324,096.69	119,500.00	8,792.46	2,914.50	110,707.54	7.36
NET OF REVENUES & EXPENDITURES		249,759.95	116,500.00	184,473.57	13,431.91	(67,973.57)	158.35

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 246 - IRF			
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	838,599.92	
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	297,617.07	
246-000-003-018	CD - CHEMICAL BANK 1/5/20	514,640.80	
246-000-030-010	S/A RECEIVABLE- KRAFT & 60TH IMPRV 2014	274,829.61	
246-000-030-011	S/A RECEIVABLE- OAK TERRACE	14,551.55	
246-000-030-012	TRD SEWER	231,729.82	
246-000-040-001	ACCOUNTS RECEIVABLE-ORDINANCE	1,439.56	
246-000-339-000	DEFERRED REVENUE-ORDINANCE		261,823.27
246-000-339-011	DEFERRED REVENUE- OAK TERRRACE		14,551.56
246-000-339-012	DEFERRED REVENUE TRD SEWER		231,729.82
246-000-390-000	FUND BALANCE - UNASSIGNED		1,480,830.11
246-000-630-000	HOOKUP FEES		160,064.00
246-000-665-000	INTEREST ON INVESTMENTS		13,098.71
246-000-669-000	INT & P S/A-ORDINANCE		829.42
246-000-672-008	S/A REVENUE-INACTIVE		675.00
246-000-672-011	S/A REVENUE - OAK TERRACE		6,402.66
246-000-672-012	S/A REVENUE - TRD		12,196.24
246-295-821-000	ADMIN ENGINEERING COSTS	8,592.46	
246-295-826-000	ADMIN LEGAL FEES	200.00	
Total Fund 246 - IRF		2,182,200.79	2,182,200.79

GL Number	Description	Balance
Fund 246 - IRF		
*** Assets ***		
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	838,599.92
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	297,617.07
246-000-003-018	CD - CHEMICAL BANK 1/5/20	514,640.80
246-000-030-010	S/A RECEIVABLE- KRAFT & 60TH IMPRV 2014	274,829.61
246-000-030-011	S/A RECEIVABLE- OAK TERRACE	14,551.55
246-000-030-012	TRD SEWER	231,729.82
246-000-040-001	ACCOUNTS RECEIVABLE-ORDINANCE	1,439.56
	Total Assets	2,173,408.33
*** Liabilities ***		
246-000-339-000	DEFERRED REVENUE-ORDINANCE	261,823.27
246-000-339-011	DEFERRED REVENUE- OAK TERRRACE	14,551.56
246-000-339-012	DEFERRED REVENUE TRD SEWER	231,729.82
	Total Liabilities	508,104.65
*** Fund Balance ***		
246-000-390-000	FUND BALANCE - UNASSIGNED	1,480,830.11
	Total Fund Balance	1,480,830.11
	Beginning Fund Balance	1,480,830.11
	Net of Revenues VS Expenditures	184,473.57
	Ending Fund Balance	1,665,303.68
	Total Liabilities And Fund Balance	2,173,408.33

GL NUMBER	DESCRIPTION	2018 AUDITED BALANCE	2019 AMENDED BUDGET	YTD BALANCE 08/31/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 08/31/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
Fund 248 - DDA							
Revenues							
248-000-401-401	TAXES - CASCADE TOWNSHIP	208,805.87	241,884.00	241,283.43	0.00	600.57	99.75
248-000-401-402	TAXES - G.R.C.C.	122,845.58	130,000.00	(304.38)	0.00	130,304.38	(0.23)
248-000-401-403	TAXES-KENT COUNTY	401,765.77	465,000.00	139,645.65	0.00	325,354.35	30.03
248-000-401-406	KDL TAXES-DDA	75,834.62	88,953.00	88,734.71	0.00	218.29	99.75
248-000-665-000	INTEREST REVENUE	13,505.12	20,000.00	13,018.54	1,794.14	6,981.46	65.09
248-000-675-300	DDACONTRIB & DONATION- METRO CRUISE WU	3,450.00	5,000.00	5,210.00	710.00	(210.00)	104.20
TOTAL REVENUES		826,206.96	950,837.00	487,587.95	2,504.14	463,249.05	
Dept 170 - DDA OPERATIONS/CONSTRUCTION							
248-170-723-000	DDA - MEMBERSHIP AND DUES	915.00	915.00	345.00	0.00	570.00	37.70
248-170-724-000	DDA - EDUCATION	1,198.74	2,000.00	103.66	0.00	1,896.34	5.18
248-170-787-000	MISCELLANEOUS	3,533.49	5,000.00	1,825.20	205.00	3,174.80	36.50
248-170-802-300	DDA ADMINISTRATIVE	0.00	98,077.00	0.00	0.00	98,077.00	0.00
248-170-821-000	ENGINEERING	21,964.50	15,000.00	68,948.35	10,749.05	(53,948.35)	459.66
248-170-826-265	LEGAL	650.00	2,000.00	390.00	120.00	1,610.00	19.50
248-170-860-000	DDA - MILEAGE	182.06	400.00	71.85	1.00	328.15	17.96
248-170-861-100	BUS SERVICE 28TH ST	87,511.11	127,894.00	86,122.72	14,353.79	41,771.28	67.34
248-170-921-000	ELECTRICITY	23,466.53	25,000.00	12,683.99	1,310.30	12,316.01	50.74
248-170-922-000	STREETLIGHTS	0.00	5,000.00	0.00	0.00	5,000.00	0.00
248-170-924-100	CELL PHONES	787.95	850.00	465.84	69.41	384.16	54.80
248-170-927-000	WATER-SEWER	5,523.31	6,500.00	1,730.39	1,645.70	4,769.61	26.62
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	24,465.03	77,800.00	39,186.58	1,331.16	38,613.42	50.37
248-170-931-300	DDA REPAIR & MAINT- METRO CRUISE WU	3,633.18	12,000.00	3,338.80	2,788.80	8,661.20	27.82
248-170-950-000	DDA PROPERTY TAX REFUNDS	0.00	10,000.00	149.85	0.00	9,850.15	1.50
248-170-967-000	SPECIAL PROJECTS	41,961.18	50,000.00	20,658.00	0.00	29,342.00	41.32
248-170-981-000	OFFICE EQUIPMENT	199.52	2,000.00	904.97	119.99	1,095.03	45.25
Net - Dept 170 - DDA OPERATIONS/CONSTRUCTION		215,991.60	440,436.00	236,925.20	32,694.20	203,510.80	
Dept 901 - CAPITAL OUTLAY							
248-901-970-000	CAPITAL OUTLAY - FFE	0.00	30,000.00	29,900.00	0.00	100.00	99.67
Net - Dept 901 - CAPITAL OUTLAY		0.00	30,000.00	29,900.00	0.00	100.00	
Dept 965 - TRANSFERS OUT							
248-965-999-101	TRANSFER TO GENERAL FUND	98,077.00	0.00	0.00	0.00	0.00	0.00
Net - Dept 965 - TRANSFERS OUT		98,077.00	0.00	0.00	0.00	0.00	
Dept 990 - DEBT SERVICE							
248-990-992-003	MUN BOND 2010 /PRINCIPAL	97,000.00	100,000.00	100,000.00	100,000.00	0.00	100.00
248-990-996-003	MUN BOND 2010 / INT & FEES	10,362.00	7,210.00	7,209.50	3,604.75	0.50	99.99
Net - Dept 990 - DEBT SERVICE		107,362.00	107,210.00	107,209.50	103,604.75	0.50	
Fund 248 - DDA:							
TOTAL REVENUES		826,206.96	950,837.00	487,587.95	2,504.14	463,249.05	51.28
TOTAL EXPENDITURES		421,430.60	577,646.00	374,034.70	136,298.95	203,611.30	64.75
NET OF REVENUES & EXPENDITURES		404,776.36	373,191.00	113,553.25	(133,794.81)	259,637.75	30.43

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 248 - DDA			
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	719,076.52	
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	39,905.02	
248-000-003-035	ADVENTURE CU CD M 2/24/20	204,550.90	
248-000-003-040	CD - UNION BANK M 8/26/20	250,000.00	
248-000-015-010	OPTION 1 CR UN-MM	5.00	
248-000-390-000	FUND BALANCE - UNASSIGNED		1,099,984.19
248-000-401-401	TAXES - CASCADE TOWNSHIP		241,283.43
248-000-401-402	TAXES - G.R.C.C.	304.38	
248-000-401-403	TAXES-KENT COUNTY		139,645.65
248-000-401-406	KDL TAXES-DDA		88,734.71
248-000-665-000	INTEREST REVENUE		13,018.54
248-000-675-300	DDACONTRIB & DONATION- METRO CRUISE WU		5,210.00
248-170-723-000	DDA - MEMBERSHIP AND DUES	345.00	
248-170-724-000	DDA - EDUCATION	103.66	
248-170-787-000	MISCELLANEOUS	1,825.20	
248-170-821-000	ENGINEERING	68,948.35	
248-170-826-265	LEGAL	390.00	
248-170-860-000	DDA - MILEAGE	71.85	
248-170-861-100	BUS SERVICE 28TH ST	86,122.72	
248-170-921-000	ELECTRICITY	12,683.99	
248-170-924-100	CELL PHONES	465.84	
248-170-927-000	WATER-SEWER	1,730.39	
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	39,186.58	
248-170-931-300	DDA REPAIR & MAINT- METRO CRUISE WU	3,338.80	
248-170-950-000	DDA PROPERTY TAX REFUNDS	149.85	
248-170-967-000	SPECIAL PROJECTS	20,658.00	
248-170-981-000	OFFICE EQUIPMENT	904.97	
248-901-970-000	CAPITAL OUTLAY - FFE	29,900.00	
248-990-992-003	MUN BOND 2010 /PRINCIPAL	100,000.00	
248-990-996-003	MUN BOND 2010 / INT & FEES	7,209.50	
Total Fund 248 - DDA		1,587,876.52	1,587,876.52

GL Number	Description	Balance
Fund 248 - DDA		
*** Assets ***		
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	719,076.52
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	39,905.02
248-000-003-035	ADVENTURE CU CD M 2/24/20	204,550.90
248-000-003-040	CD - UNION BANK M 8/26/20	250,000.00
248-000-015-010	OPTION 1 CR UN-MM	5.00
	Total Assets	<u>1,213,537.44</u>
*** Liabilities ***		
	Total Liabilities	<u>0.00</u>
*** Fund Balance ***		
248-000-390-000	FUND BALANCE - UNASSIGNED	1,099,984.19
	Total Fund Balance	<u>1,099,984.19</u>
	Beginning Fund Balance	1,099,984.19
	Net of Revenues VS Expenditures	113,553.25
	Ending Fund Balance	<u>1,213,537.44</u>
	Total Liabilities And Fund Balance	<u>1,213,537.44</u>

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019	MONTH 08/31/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
Fund 249 - BUILDING FUND							
Revenues							
249-000-600-644	NSF FEES	0.00	0.00	25.00	0.00	(25.00)	100.00
249-000-607-483	CASCADE TWP BLDG COM PERMITS	218,896.00	150,000.00	65,771.00	1,322.00	84,229.00	43.85
249-000-607-484	CASCADE TWP BLDG RES PERMITS	99,503.00	90,000.00	53,520.00	13,992.00	36,480.00	59.47
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS	101,326.00	80,000.00	48,890.00	4,665.00	31,110.00	61.11
249-000-607-486	CASCADE TWP MECHANICAL PERMITS	100,870.30	100,000.00	55,277.25	9,920.00	44,722.75	55.28
249-000-607-487	CASCADE TWP PLUMBING PERMITS	48,848.00	55,000.00	28,664.00	4,031.00	26,336.00	52.12
249-000-607-488	CASCADE - PR	152,948.00	110,000.00	22,436.00	514.00	87,564.00	20.40
249-000-607-490	CASCADE TWP CONTRACTOR REG	6,830.00	8,000.00	8,235.00	900.00	(285.00)	102.94
249-000-607-500	LOWELL TWP BUILDING PERMITS	82,527.00	55,000.00	62,478.50	36,914.00	(7,478.50)	113.60
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS	16,971.00	24,000.00	20,194.00	1,817.00	3,806.00	84.14
249-000-607-502	LOWELL TWP MECHANICAL PERMITS	16,450.25	20,000.00	19,004.00	1,610.00	996.00	95.02
249-000-607-503	LOWELL TWP PLUMBING PERMITS	10,310.00	14,000.00	14,457.00	3,172.00	(457.00)	103.26
249-000-607-504	LOWELL TWP - PR	0.00	0.00	7,610.00	6,805.00	(7,610.00)	100.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS	10,679.00	12,000.00	7,123.00	1,112.00	4,877.00	59.36
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS	12,530.00	14,000.00	8,995.00	1,605.00	5,005.00	64.25
249-000-607-516	VERGENNES TWP PLUMBING PERMITS	8,626.00	14,000.00	3,699.00	458.00	10,301.00	26.42
249-000-607-520	ADA TWP BUILDING PERMITS	170,879.00	130,000.00	62,299.00	5,960.00	67,701.00	47.92
249-000-607-521	ADA TWP PLUMBING PERMITS	50,737.00	50,000.00	16,474.00	1,407.00	33,526.00	32.95
249-000-607-523	ADA TWP ELECTRICAL PERMITS	71,435.00	60,000.00	31,763.00	3,287.00	28,237.00	52.94
249-000-607-524	ADA TWP MECHANICAL PERMITS	88,033.75	70,000.00	39,142.75	6,206.75	80,857.25	55.92
249-000-607-525	ADA TWP - PR	0.00	0.00	5,481.00	676.00	(5,481.00)	100.00
249-000-607-531	GR TWP BUILDING PERMITS	196,712.00	120,000.00	85,488.00	9,183.00	34,512.00	71.24
249-000-607-532	GR TWP ELECTRICAL PERMITS	50,468.00	55,000.00	33,036.00	4,964.00	21,964.00	60.07
249-000-607-533	GR TWP MECHANICAL PERMITS	73,983.80	65,000.00	41,179.75	6,903.75	23,820.25	63.35
249-000-607-534	GR TWP PLUMBING PERMITS	37,393.00	40,000.00	22,201.00	3,306.00	17,799.00	55.50
249-000-607-535	GRT - PR	0.00	0.00	15,566.00	434.00	(15,566.00)	100.00
249-000-607-536	EAST GR BUILDING PERMITS	143,075.00	55,000.00	40,068.00	8,048.00	14,932.00	72.85
249-000-607-537	EAST GR ELECTRICAL PERMITS	32,253.00	35,000.00	23,067.00	2,523.00	11,933.00	65.91
249-000-607-538	EAST GR MECHANICAL PERMITS	43,923.25	40,000.00	30,586.50	4,130.00	9,413.50	76.47
249-000-607-539	EAST GR PLUMBING PERMITS	24,503.00	25,000.00	16,544.00	1,912.00	8,456.00	66.18
249-000-607-540	EGR - PR	0.00	0.00	850.00	0.00	(850.00)	100.00
249-000-607-541	EAST GR-RENTAL INSP	3,050.00	4,000.00	2,700.00	0.00	1,300.00	67.50
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS	92,845.00	90,000.00	51,617.00	5,868.00	38,383.00	57.35
249-000-607-552	PLAINFIELD MECHANICAL PERMITS	116,097.25	110,000.00	62,236.30	10,120.00	47,763.70	56.58
249-000-607-553	PLAINFIELD - PLUMBING PERMITS	55,249.00	60,000.00	30,474.00	2,708.00	29,526.00	50.79
249-000-607-555	PLAINFIELD INSPECTION FEES -NP	8,291.00	20,000.00	1,150.00	0.00	18,850.00	5.75
249-000-607-560	LOWELL, CITY OF - BUILDING PERMITS	7,039.00	0.00	0.00	0.00	0.00	0.00
249-000-607-561	LOWELL, CITY OF - ELECTRICAL PERMITS	3,078.00	0.00	0.00	0.00	0.00	0.00
249-000-607-562	LOWELL, CITY OF - MECHANICAL PERMITS	4,260.00	0.00	0.00	0.00	0.00	0.00
249-000-607-563	LOWELL CITY OF - PLUMBING PERMITS	2,556.00	0.00	0.00	0.00	0.00	0.00
249-000-665-000	INTEREST REVENUE	27,411.38	60,000.00	24,991.84	904.76	35,008.16	41.65
249-000-671-671	MISCELLANEOUS INCOME	2,025.00	1,000.00	1,000.00	50.00	0.00	100.00
249-000-673-000	SALE OF ASSETS	75.00	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUES		2,192,686.98	1,836,000.00	1,064,293.89	166,928.26	771,706.11	
Dept 371 - BUILDING DEPARTMENT							
249-371-702-000	WAGES- FULL TIME	0.00	673,803.00	450,845.66	54,827.45	222,957.34	66.91
249-371-703-000	DIRECTOR OF INSPECTIONS	90,517.45	0.00	0.00	0.00	0.00	0.00
249-371-704-000	WAGES- PART TIME	0.00	18,214.00	5,976.25	612.50	12,237.75	32.81
249-371-706-000	BLDG WAGES/SALARY- KD	66,009.03	0.00	0.00	0.00	0.00	0.00
249-371-706-302	BLDG INSPECTOR - JB	65,325.56	0.00	0.00	0.00	0.00	0.00
249-371-706-303	BLDG INSPECTOR - WB	69,100.85	0.00	0.00	0.00	0.00	0.00
249-371-706-304	BLDG INSPECTOR - DH	69,467.87	0.00	0.00	0.00	0.00	0.00
249-371-706-305	BLDG INSPECTOR - JV/VM	65,237.21	0.00	0.00	0.00	0.00	0.00
249-371-706-306	BLDG INSPECTOR / PT - SB	65,145.79	0.00	0.00	0.00	0.00	0.00
249-371-706-309	BLDG INSPECTOR - DHU	60,666.71	0.00	0.00	0.00	0.00	0.00
249-371-706-400	BUILDING CLERICAL I	40,235.37	0.00	0.00	0.00	0.00	0.00
249-371-706-401	BUILDING CLERICAL II - JC	10,473.50	0.00	0.00	0.00	0.00	0.00
249-371-706-402	BUILDING CLERICAL II - JK	39,725.28	0.00	0.00	0.00	0.00	0.00
249-371-706-500	BLDG ADDITIONAL HELP	30,716.00	0.00	0.00	0.00	0.00	0.00
249-371-707-000	WAGES- CASUAL	12,923.10	11,786.00	9,360.00	1,840.00	2,426.00	79.42
249-371-723-000	MEMBERSHIPS AND DUES	4,172.50	4,000.00	1,575.00	0.00	2,425.00	39.38
249-371-724-000	EDUCATION	5,728.76	6,000.00	4,010.46	899.66	1,989.54	66.84
249-371-727-000	SUPPLIES	9,870.17	12,000.00	3,556.49	394.55	8,443.51	29.64
249-371-757-000	BOOKS	455.50	4,000.00	484.75	0.00	3,515.25	12.12
249-371-768-000	DEPARTMENT UNIFORMS	3,857.15	4,200.00	2,419.60	244.67	1,780.40	57.61
249-371-787-000	MISCELLANEOUS	1,553.01	1,500.00	0.00	0.00	1,500.00	0.00
249-371-787-200	CREDIT CARD FEES	15,308.99	14,000.00	11,111.89	1,746.57	2,888.11	79.37
249-371-807-000	AUDIT FEES & SERVICES	775.00	935.00	940.00	0.00	(5.00)	100.53
249-371-810-000	LIABILITY INSURANCE	7,613.00	8,994.00	8,499.00	0.00	495.00	94.50
249-371-821-000	BLDG ENGINEERING	515.00	2,000.00	0.00	0.00	2,000.00	0.00
249-371-860-000	MILEAGE	57,778.16	58,000.00	39,695.49	6,413.64	18,304.51	68.44
249-371-862-500	DEPT HEAD, SUPV EXPENSES	310.15	500.00	86.83	49.00	413.17	17.37
249-371-900-000	PRINTING & PUBLISHING	163.48	0.00	0.00	0.00	0.00	0.00
249-371-924-000	PHONES	1,006.18	2,000.00	815.87	118.32	1,184.13	40.79
249-371-924-100	CELL PHONES	7,814.73	8,250.00	4,497.52	671.31	3,752.48	54.52
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	6,662.57	9,000.00	797.04	0.00	8,202.96	8.86
249-371-939-000	SERVICE CONTRACTS	16,524.82	14,500.00	15,481.96	2,428.30	(981.96)	106.77
249-371-940-000	BUILDING RENTAL-LEASE	69,797.24	75,000.00	51,649.27	5,508.75	23,350.73	68.87
249-371-941-000	POSTAGE & MACHINE LEASE	750.00	1,000.00	450.00	150.00	550.00	45.00
249-371-957-000	BLDG PHYSICAL EXAMS	0.00	750.00	0.00	0.00	750.00	0.00
249-371-967-000	BLDG - SPECIAL PROJECTS	20,754.89	24,000.00	7,559.29	0.00	16,440.71	31.50

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019	MONTH 08/31/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	USED
249-371-981-000	OFFICE EQUIPMENT	5,803.94	8,000.00	6,720.64	(329.32)	1,279.36	84.01
Net - Dept 371 - BUILDING DEPARTMENT		922,758.96	962,432.00	626,533.01	75,575.40	335,898.99	
Dept 850 - BENEFITS/INSURANCE							
249-850-715-000	FICA-EMPLOYER	49,445.20	56,075.00	34,455.09	4,129.99	21,619.91	61.44
249-850-716-000	DEFINED CONTRIBUTION PLAN	99,166.77	59,839.00	73,879.80	4,587.30	(14,040.80)	123.46
249-850-717-000	WORKERS COMP INSURANCE	16,115.35	15,386.00	(491.06)	0.00	15,877.06	(3.19)
249-850-718-000	VISION INSURANCE BENEFITS	1,165.44	1,275.00	950.80	119.36	324.20	74.57
249-850-718-200	OTHER BENEFITS	0.00	11,000.00	11,000.00	2,000.00	0.00	100.00
249-850-719-000	HEALTH INSURANCE BENEFITS	90,623.70	103,020.00	73,852.83	8,022.84	29,167.17	71.69
249-850-719-100	OPT-OUT INSURANCE	3,000.00	3,000.00	2,500.00	0.00	500.00	83.33
249-850-720-000	LIFE & DISABILITY INSURANCE	5,423.25	6,143.00	5,315.67	590.63	827.33	86.53
249-850-721-000	DENTAL INSURANCE BENEFITS	7,209.80	8,125.00	4,964.92	726.60	3,160.08	61.11
249-850-721-200	MI CLAIMS TAX - DENTAL	50.92	0.00	0.00	0.00	0.00	0.00
249-850-722-000	PENSION PLAN BENEFITS	105,507.55	52,918.00	25,867.71	0.00	27,050.29	48.88
249-850-960-000	BLDG UNEMPLOYMENT COSTS	2,327.00	0.00	0.00	0.00	0.00	0.00
Net - Dept 850 - BENEFITS/INSURANCE		380,034.98	316,781.00	232,295.76	20,176.72	84,485.24	
Dept 901 - CAPITAL OUTLAY							
249-901-975-000	CAPITAL OUTLAY - BLDGIMP	6,269.84	0.00	0.00	0.00	0.00	0.00
Net - Dept 901 - CAPITAL OUTLAY		6,269.84	0.00	0.00	0.00	0.00	
Dept 964 - PAYMENTS TO OTHER TOWNSHIPS							
249-964-964-100	PERMITS DUE TO LOWELL TWP	25,323.25	22,600.00	14,748.30	1,484.80	7,851.70	65.26
249-964-964-200	PERMITS DUE TO VERGENNES TWP	6,521.80	8,000.00	3,344.40	423.00	4,655.60	41.81
249-964-964-300	PERMITS DUE TO GR TWP	71,679.36	56,000.00	34,542.60	5,233.60	21,457.40	61.68
249-964-964-400	PERMITS DUE TO ADA TWP	76,089.55	62,000.00	27,688.80	4,601.60	34,311.20	44.66
249-964-964-500	PERMITS DUE TO EAST GR	48,721.85	31,000.00	18,938.90	3,040.40	12,061.10	61.09
249-964-964-600	PERMITS DUE PLAINFIELD	52,823.25	52,000.00	25,124.26	4,606.20	26,875.74	48.32
249-964-964-700	PERMITS DUE CITY OF LOWELL	5,962.00	0.00	0.00	0.00	0.00	0.00
249-964-964-800	PERMITS DUE CASCADE TWP	113,884.66	95,000.00	46,412.65	6,102.25	48,587.35	48.86
Net - Dept 964 - PAYMENTS TO OTHER TOWNSHIPS		401,005.72	326,600.00	170,799.91	25,491.85	155,800.09	
Fund 249 - BUILDING FUND:							
TOTAL REVENUES		2,192,686.98	1,836,000.00	1,064,293.89	166,928.26	771,706.11	57.97
TOTAL EXPENDITURES		1,710,069.50	1,605,813.00	1,029,628.68	121,243.97	576,184.32	64.12
NET OF REVENUES & EXPENDITURES		482,617.48	230,187.00	34,665.21	45,684.29	195,521.79	15.06

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 249 - BUILDING FUND			
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	68,531.75	
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	304,042.40	
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	209,981.88	
249-000-003-001	CD - INDEPENDENT BANK M 6/19/21	321,327.11	
249-000-003-007	CD - 53RD BANK M 12/4/19	257,604.00	
249-000-003-018	CD - CHEMICAL BANK M 4/30/21	307,919.91	
249-000-003-021	FNB OF MI M 2/11/20	529,133.59	
249-000-003-024	FIRST NATIONAL BANK OF AMERICA	616,117.75	
249-000-003-028	CONSUMER CR UN M 3/10/20	305,310.87	
249-000-003-037	CHEMICAL BANK CD M 10/28/19	500,000.00	
249-000-237-000	DUE TO IRF SW CONNECTIONS		4,400.00
249-000-390-000	FUND BALANCE - UNASSIGNED		2,380,904.05
249-000-391-001	FUND BAL- COMMITTED FUTURE FAC IMP 2018		1,000,000.00
249-000-600-644	NSF FEES		25.00
249-000-607-483	CASCADE TWP BLDG COM PERMITS		65,771.00
249-000-607-484	CASCADE TWP BLDG RES PERMITS		53,520.00
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS		48,890.00
249-000-607-486	CASCADE TWP MECHANICAL PERMITS		55,277.25
249-000-607-487	CASCADE TWP PLUMBING PERMITS		28,664.00
249-000-607-488	CASCADE - PR		22,436.00
249-000-607-490	CASCADE TWP CONTRACTOR REG		8,235.00
249-000-607-500	LOWELL TWP BUILDING PERMITS		62,478.50
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS		20,194.00
249-000-607-502	LOWELL TWP MECHANICAL PERMITS		19,004.00
249-000-607-503	LOWELL TWP PLUMBING PERMITS		14,457.00
249-000-607-504	LOWELL TWP - PR		7,610.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS		7,123.00
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS		8,995.00
249-000-607-516	VERGENNES TWP PLUMBING PERMITS		3,699.00
249-000-607-520	ADA TWP BUILDING PERMITS		62,299.00
249-000-607-521	ADA TWP PLUMBING PERMITS		16,474.00
249-000-607-523	ADA TWP ELECTRICAL PERMITS		31,763.00
249-000-607-524	ADA TWP MECHANICAL PERMITS		39,142.75
249-000-607-525	ADA TWP - PR		5,481.00
249-000-607-531	GR TWP BUILDING PERMITS		85,488.00
249-000-607-532	GR TWP ELECTRICAL PERMITS		33,036.00
249-000-607-533	GR TWP MECHANICAL PERMITS		41,179.75
249-000-607-534	GR TWP PLUMBING PERMITS		22,201.00
249-000-607-535	GRT - PR		15,566.00
249-000-607-536	EAST GR BUILDING PERMITS		40,068.00
249-000-607-537	EAST GR ELECTRICAL PERMITS		23,067.00
249-000-607-538	EAST GR MECHANICAL PERMITS		30,586.50
249-000-607-539	EAST GR PLUMBING PERMITS		16,544.00
249-000-607-540	EGR - PR		850.00
249-000-607-541	EAST GR-RENTAL INSP		2,700.00

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS		51,617.00
249-000-607-552	PLAINFIELD MECHANICAL PERMITS		62,236.30
249-000-607-553	PLAINFIELD - PLUMBING PERMITS		30,474.00
249-000-607-555	PLAINFIELD INSPECTION FEES -NP		1,150.00
249-000-665-000	INTEREST REVENUE		24,991.84
249-000-671-671	MISCELLANEOUS INCOME		1,000.00
249-371-702-000	WAGES- FULL TIME	450,845.66	
249-371-704-000	WAGES- PART TIME	5,976.25	
249-371-707-000	WAGES- CASUAL	9,360.00	
249-371-723-000	MEMBERSHIPS AND DUES	1,575.00	
249-371-724-000	EDUCATION	4,010.46	
249-371-727-000	SUPPLIES	3,556.49	
249-371-757-000	BOOKS	484.75	
249-371-768-000	DEPARTMENT UNIFORMS	2,419.60	
249-371-787-200	CREDIT CARD FEES	11,111.89	
249-371-807-000	AUDIT FEES & SERVICES	940.00	
249-371-810-000	LIABILITY INSURANCE	8,499.00	
249-371-860-000	MILEAGE	39,695.49	
249-371-862-500	DEPT HEAD, SUPV EXPENSES	86.83	
249-371-924-000	PHONES	815.87	
249-371-924-100	CELL PHONES	4,497.52	
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	797.04	
249-371-939-000	SERVICE CONTRACTS	15,481.96	
249-371-940-000	BUILDING RENTAL-LEASE	51,649.27	
249-371-941-000	POSTAGE & MACHINE LEASE	450.00	
249-371-967-000	BLDG - SPECIAL PROJECTS	7,559.29	
249-371-981-000	OFFICE EQUIPMENT	6,720.64	
249-850-715-000	FICA-EMPLOYER	34,455.09	
249-850-716-000	DEFINED CONTRIBUTION PLAN	73,879.80	
249-850-717-000	WORKERS COMP INSURANCE		491.06
249-850-718-000	VISION INSURANCE BENEFITS	950.80	
249-850-718-200	OTHER BENEFITS	11,000.00	
249-850-719-000	HEALTH INSURANCE BENEFITS	73,852.83	
249-850-719-100	OPT-OUT INSURANCE	2,500.00	
249-850-720-000	LIFE & DISABILITY INSURANCE	5,315.67	
249-850-721-000	DENTAL INSURANCE BENEFITS	4,964.92	
249-850-722-000	PENSION PLAN BENEFITS	25,867.71	
249-964-964-100	PERMITS DUE TO LOWELL TWP	14,748.30	
249-964-964-200	PERMITS DUE TO VERGENNES TWP	3,344.40	
249-964-964-300	PERMITS DUE TO GR TWP	34,542.60	
249-964-964-400	PERMITS DUE TO ADA TWP	27,688.80	
249-964-964-500	PERMITS DUE TO EAST GR	18,938.90	
249-964-964-600	PERMITS DUE PLAINFIELD	25,124.26	
249-964-964-800	PERMITS DUE CASCADE TWP	46,412.65	
Total Fund 249 - BUILDING FUND		4,450,089.00	4,450,089.00

GL Number	Description	Balance
Fund 249 - BUILDING FUND		
*** Assets ***		
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	68,531.75
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	304,042.40
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	209,981.88
249-000-003-001	CD - INDEPENDENT BANK M 6/19/21	321,327.11
249-000-003-007	CD - 53RD BANK M 12/4/19	257,604.00
249-000-003-018	CD - CHEMICAL BANK M 4/30/21	307,919.91
249-000-003-021	FNB OF MI M 2/11/20	529,133.59
249-000-003-024	FIRST NATIONAL BANK OF AMERICA	616,117.75
249-000-003-028	CONSUMER CR UN M 3/10/20	305,310.87
249-000-003-037	CHEMICAL BANK CD M 10/28/19	500,000.00
	Total Assets	<u>3,419,969.26</u>
*** Liabilities ***		
249-000-237-000	DUE TO IRF SW CONNECTIONS	4,400.00
	Total Liabilities	<u>4,400.00</u>
*** Fund Balance ***		
249-000-390-000	FUND BALANCE - UNASSIGNED	2,380,904.05
249-000-391-001	FUND BAL- COMMITTED FUTURE FAC IMP 2018	1,000,000.00
	Total Fund Balance	<u>3,380,904.05</u>
	Beginning Fund Balance	3,380,904.05
	Net of Revenues VS Expenditures	34,665.21
	Ending Fund Balance	<u>3,415,569.26</u>
	Total Liabilities And Fund Balance	<u>3,419,969.26</u>

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		AUDITED BALANCE	AMENDED BUDGET	08/31/2019 NORM (ABNORM)	MONTH 08/31/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
Fund 270 - LIBRARY FUND							
Revenues							
270-000-401-402	TAX LEVY	200,023.02	208,947.00	208,710.75	0.00	236.25	99.89
270-000-401-410	PERSONAL PROPERTY TAX	14,065.30	15,204.00	14,787.21	0.00	416.79	97.26
270-000-401-412	DELINQUENT TAX LEVY	595.35	1,000.00	457.18	0.00	542.82	45.72
270-000-401-437	ABATEMENT TAXES-LEVY	1,598.88	1,698.00	1,516.03	0.00	81.97	95.17
270-000-401-441	COMMUNITY STABILIZATION SHARE TAX	15,667.95	5,412.00	0.00	0.00	5,412.00	0.00
270-000-401-445	PENALTIES & INTEREST ON TAX	39.60	50.00	48.18	0.00	1.82	96.36
270-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE	0.00	0.00	6,739.01	0.00	(6,739.01)	100.00
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT	32,869.52	32,869.00	24,652.14	0.00	8,216.86	75.00
270-000-665-000	INTEREST REVENUE	41,216.18	10,000.00	7,850.61	1,122.65	2,149.39	78.51
TOTAL REVENUES		306,015.80	275,180.00	264,861.11	1,122.65	10,318.89	
Dept 790 - LIBRARY							
270-790-727-000	LIBRARY SUPPLIES	5,291.01	6,600.00	553.55	0.00	6,046.45	8.39
270-790-729-000	LIB ELECTRONIC SUBSCRIPTIONS	882.00	900.00	0.00	0.00	900.00	0.00
270-790-787-000	MISCELLANEOUS	0.00	1,000.00	193.85	0.00	806.15	19.39
270-790-802-200	JANITORIAL & MAINTENANCE	35,707.20	8,000.00	2,975.60	0.00	5,024.40	37.20
270-790-810-000	LIABILITY INSURANCE	12,688.00	15,088.00	14,165.00	0.00	923.00	93.88
270-790-921-000	LIBRARY ELECTRICITY	58,738.51	55,000.00	26,424.11	1,030.16	28,575.89	48.04
270-790-923-000	LIBRARY HEATING	12,997.34	12,000.00	7,842.07	120.13	4,157.93	65.35
270-790-924-000	LIBRARY PHONES	755.12	840.00	850.33	144.68	(10.33)	101.23
270-790-927-000	LIBRARY WATER-SEWER	6,316.52	8,000.00	3,797.20	1,681.89	4,202.80	47.47
270-790-931-000	LIBRARY MAINTENANCE	109,557.95	88,120.00	48,569.77	8,100.93	39,550.23	55.12
270-790-931-100	LIBRARY MAINTENANCE	32,672.00	64,036.00	0.00	0.00	64,036.00	0.00
270-790-950-000	PROPERTY TAX REFUNDS	0.00	50.00	0.00	0.00	50.00	0.00
270-790-981-000	OFFICE EQUIPMENT	0.00	1,000.00	0.00	0.00	1,000.00	0.00
Net - Dept 790 - LIBRARY		275,605.65	260,634.00	105,371.48	11,077.79	155,262.52	
Dept 901 - CAPITAL OUTLAY							
270-901-970-000	CAPITAL OUTLAY - FFE	15,369.00	0.00	0.00	0.00	0.00	0.00
Net - Dept 901 - CAPITAL OUTLAY		15,369.00	0.00	0.00	0.00	0.00	
Fund 270 - LIBRARY FUND:							
TOTAL REVENUES		306,015.80	275,180.00	264,861.11	1,122.65	10,318.89	96.25
TOTAL EXPENDITURES		290,974.65	260,634.00	105,371.48	11,077.79	155,262.52	40.43
NET OF REVENUES & EXPENDITURES		15,041.15	14,546.00	159,489.63	(9,955.14)	(144,943.63)	1,096.45
TOTAL REVENUES - ALL FUNDS							
		13,050,017.63	12,693,216.00	9,405,489.54	729,403.58	3,287,726.46	74.10
TOTAL EXPENDITURES - ALL FUNDS							
		12,065,856.65	12,453,899.00	6,852,812.89	1,032,455.67	5,601,086.11	55.03
NET OF REVENUES & EXPENDITURES							
		984,160.98	239,317.00	2,552,676.65	(303,052.09)	(2,313,359.65)	1,066.65

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 270 - LIBRARY FUND			
270-000-001-510	CASH - MI CLASS	459,384.39	
270-000-003-014	CD - LAKE MICH CR UN #40 M3/27/2020	428,459.83	
270-000-003-026	CD - WEST MI COMMUNITY BANK M 6/1/2020	258,829.54	
270-000-003-027	CD - NORTHPOINTE BANK MM 4/7/2020	547,852.06	
270-000-015-023	LIBRARY M/M UNITED BANK	509,311.60	
270-000-390-000	FUND BALANCE - UNASSIGNED		1,644,347.79
270-000-391-001	FUND BALANCE - COMMITTED/MAJOR REPAIRS11		400,000.00
270-000-401-402	TAX LEVY		208,710.75
270-000-401-410	PERSONAL PROPERTY TAX		14,787.21
270-000-401-412	DELINQUENT TAX LEVY		457.18
270-000-401-437	ABATEMENT TAXES-LEVY		1,616.03
270-000-401-445	PENALTIES & INTEREST ON TAX		48.18
270-000-573-000	LOCAL COMMUNITY STABILIZATION SHARE		6,739.01
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT		24,652.14
270-000-665-000	INTEREST REVENUE		7,850.61
270-790-727-000	LIBRARY SUPPLIES	553.55	
270-790-787-000	MISCELLANEOUS	193.85	
270-790-802-200	JANITORIAL & MAINTENANCE	2,975.60	
270-790-810-000	LIABILITY INSURANCE	14,165.00	
270-790-921-000	LIBRARY ELECTRICITY	26,424.11	
270-790-923-000	LIBRARY HEATING	7,842.07	
270-790-924-000	LIBRARY PHONES	850.33	
270-790-927-000	LIBRARY WATER-SEWER	3,797.20	
270-790-931-000	LIBRARY MAINTENANCE	48,569.77	
Total Fund 270 - LIBRARY FUND		2,309,208.90	2,309,208.90

GL Number	Description	Balance
Fund 270 - LIBRARY FUND		
*** Assets ***		
270-000-001-510	CASH - MI CLASS	459,384.39
270-000-003-014	CD - LAKE MICH CR UN #40 M3/27/2020	428,459.83
270-000-003-026	CD - WEST MI COMMUNITY BANK M 6/1/2020	258,829.54
270-000-003-027	CD - NORTHPOINTE BANK MM 4/7/2020	547,852.06
270-000-015-023	LIBRARY M/M UNITED BANK	509,311.60
	Total Assets	2,203,837.42
*** Liabilities ***		
	Total Liabilities	0.00
*** Fund Balance ***		
270-000-390-000	FUND BALANCE - UNASSIGNED	1,644,347.79
270-000-391-001	FUND BALANCE - COMMITTED/MAJOR REPAIRS11	400,000.00
	Total Fund Balance	2,044,347.79
	Beginning Fund Balance	2,044,347.79
	Net of Revenues VS Expenditures	159,489.63
	Ending Fund Balance	2,203,837.42
	Total Liabilities And Fund Balance	2,203,837.42

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 701 - TRUST AND AGENCY			
701-000-003-002	HENRY KRAMER ESCROW	15,326.86	
701-000-003-004	JACK SMITH ESCROW	23,043.66	
701-000-003-018	CD - CHEMICAL BANK JAMES TIMMONS	12,400.00	
701-000-015-004	MONEY MARKET - CHEMICAL BANK	127,001.99	
701-000-214-000	DUE TO GENERAL FUND		4.63
701-000-230-004	T&A INTERST DUE GF		959.82
701-000-250-080	CASCADE POINTE-PATHWAY BOND		9,554.62
701-000-250-173	PATHWAYS-WOLVERINE BLDG GROUP- 6010 28TH		1,800.00
701-000-250-175	PATHWAYS - CASCADE TRAILS SENIOR LIVING		3,000.00
701-000-250-176	PATHWAYS- KANAAN COMMUNICATIONS		500.00
701-000-252-050	WALMART S/W INSP GR 3/2013		826.83
701-000-252-166	REDWOOD LIVING/WHITE WATER S/W 4/2014		3,413.30
701-000-252-167	RIDGES OF CASCADE S/W 4/2014		948.12
701-000-252-168	STONESHIRE PHASE II S/W 4/2014		1,559.25
701-000-252-200	GROOTERS 52ND ST PROJ S/W 4/2017	5,916.25	
701-000-252-215	BAYBERRY CHASE/RL SW 12/17/2017	1,440.00	
701-000-252-227	CASCADE MARKETPLACE 5/08		8,858.33
701-000-252-230	FORD AIRPORT PK LOT S/W		8,468.75
701-000-252-231	DRURY DEVELOPMENT S/W 9/2015		4,201.08
701-000-252-232	FORD AIRPORT VIEWING PARK		32.00
701-000-252-236	LACKS TRIM DIV S/W 1/2016		4,518.05
701-000-252-237	LEISURE LIVING MGT 5/2018	5,033.55	
701-000-252-238	LANTERNS OF CASCADE JUNE 2019		30,000.00
701-000-252-751	GLENWOOD HILLS S/W BOND		23,211.72
701-000-253-221	UNIVERSAL SIGN SYSEMS 17-3397 7/2017		48.34
701-000-253-328	MIEDEMA METAL BUILDING SYSTEM 11/14		26.00
701-000-253-360	WOLVERING BLDG GROUP 16-3318 6/2016		500.00
701-000-253-373	ROBERT GROOTER 17-3386 5/2017		500.00
701-000-253-375	WATERFALL SHOPPES LLC 17-3389 6/2017		500.00
701-000-253-376	TOWN CENTER INN & SUITES 17-3391 6/2017		500.00
701-000-253-377	JAMNBEAN/FREEDOM REINS FARM 17-3392 7/17		500.00
701-000-253-378	PARADIGM DESIGN INC 17-3395 7/17		500.00
701-000-253-379	2771 ORANGE AVE LLC 17-3401 8/2017		500.00
701-000-253-382	RJP CONSULTING INC 17-3407 9/2017		500.00
701-000-253-385	INNOVATIVE DESIGN PC 17-3419 10/2017		500.00
701-000-253-386	LACK ENTERPRISES INC 17-3421 10/2017		500.00
701-000-253-387	NEDERVELD 17-3423 10/2017		500.00
701-000-253-388	BENITEAU RESIDENTIAL LLC 17-3424 11/2017		500.00
701-000-253-389	ALPHA LIMA VENTURES LLC 17-3425 11/2017		500.00
701-000-253-390	QUAIL RIDGE GOLF COURSE 17-3428 12/2017		500.00
701-000-253-391	THORNAPPLE EVANGELICAL 17- 3429 12/17		500.00
701-000-253-392	THORNAPPLE RIVER NURSERY 18-3433 1/18		500.00
701-000-253-394	THE EAGLE PROPERTIES 18-3438 2/2018		500.00
701-000-253-395	KAMMINGA & ROODVOETS 18-3444 2/2018		500.00
701-000-253-397	DYKEMA EXCAVATORS INC 18:3450		500.00

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
701-000-253-398	SIBSCO LLC 18-3456 5/2018		500.00
701-000-253-399	GREEN CASTLE PROPERTIES 18-3458 5/2018		500.00
701-000-253-401	THORNAPPLE ENTERPRISES 18-3464 5/2018		500.00
701-000-253-404	NEDERVELD 18-3471 6/2018		500.00
701-000-253-405	NEWCO DESIGN BUILD LLC 18:3477		500.00
701-000-253-407	LANTERS 18:3488		500.00
701-000-253-408	PARADIGM DESIGN INC 18-3492 9/2018		500.00
701-000-253-409	LACKS TRIM SYSTEMS 18:3501 11/2018		500.00
701-000-253-411	BUFFUM HOMES LLC 18:3507		500.00
701-000-253-412	ROGUE LLC 18:3508		500.00
701-000-253-413	ROGUE LLC 18:3509		500.00
701-000-253-414	BDR EXECUTIVE HOMES PATHWAY BOND		500.00
701-000-253-415	GLENWOOD DEVELOPMENT PARTNERS 19:3516		500.00
701-000-253-416	GOLDEN VALLEY DEVELOPMENT 19:3519		500.00
701-000-253-417	ROBERT GROOTERS DEVELOPMENT CO 19:3526		500.00
701-000-253-418	TOM GIUSTI/ ROUND HILL 19:3527		500.00
701-000-253-419	CASCADE TLC DAYCARE 19:3534		500.00
701-000-253-420	NATIONAL TIRE WHOLESale 19:3538		500.00
701-000-253-421	WATERMARK PROPERTIES LLC 19:3542		500.00
701-000-253-422	WALMART 19:3541		500.00
701-000-253-423	BRAD HARMON/ BKBE HOLDINGS LLC 19:3550		500.00
701-000-255-000	CASCADE THORN RIVER ASSOC 16:3303		500.00
701-000-255-741	JAMES TIMMONS TRUST		12,400.00
701-000-255-742	JACKS SMITH (IRF) M 10/16/2015		23,035.29
701-000-255-743	CUSTOMER DEPOSITS- SOLICITATION BONDS		975.00
701-000-283-004	REDWOOD LIVING PERFORMANCE BOND 13-3139		10,000.00
701-000-283-168	RON DYKSTRA 2769 TRD		500.00
701-000-283-169	CHICK-FIL-A PUD AMEND 19:3533		500.00
701-000-283-740	HENRY KRAMER PERFORMANCE BOND		15,321.18
701-000-283-741	PERFORMANCE BOND 5801 KRAFT		5,000.00
Total Fund 701 - TRUST AND AGENCY		190,162.31	190,162.31

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
Fund 703 - CURRENT TAX COLLECTION FUND			
703-000-001-001	CASH (CASH DRAWER)	150.00	
703-000-001-103	CASH- CHEM /TAX WIRE	12.22	
703-000-001-110	FLAGSTAR BANK - CASH	2,965,618.44	
703-000-001-111	CASH RECEIVING & WIRE - FLAGSTAR	940,965.11	
703-000-001-112	CASH DELINQUENT - FLAGSTAR	1,627.11	
703-000-214-155	CCT - ADMIN		38,442.02
703-000-222-110	KENT COUNTY - OPERATING		644,408.60
703-000-222-175	KENT COUNTY - DOG LICENSE		1,766.60
703-000-222-210	KENT COUNTY - IFT OPERATING		2,710.60
703-000-225-110	FHPS - OPERATING		472,302.45
703-000-225-120	FHPS - DEBT		414,579.23
703-000-225-130	FHPS - RECREATION		61,991.30
703-000-225-220	FHPS - IFT DEBT		720.02
703-000-225-230	FHPS - IFT RECREATION		107.66
703-000-225-410	CALEDONIA - OPERATING		111,559.15
703-000-225-420	CALEDONIA - DEBT		78,647.76
703-000-225-520	CALEDONIA - IFT DEBT		1,470.62
703-000-226-110	LOWELL - OPERATING		18,733.11
703-000-226-120	LOWELL - DEBT		14,757.03
703-000-226-130	LOWELL BLDG/SITE		2,056.61
703-000-228-001	SET & OPERATING TAX (COUNTY)		895,568.93
703-000-228-201	IFT SET & OPER TAX (STATE)		4,286.40
703-000-230-001	TAX INT- DUE TO OTHER UNIT GOVT		1,682.55
703-000-230-002	DELQ TAX - DUE TO OTHER UNIT OF GOVT		1,509.40
703-000-230-003	WIRE ACCT-DUE TO OTHER UNIT GOVT		1.00
703-000-230-012	DELQ TAX INT- DUE OTHER UNIT GOVT		103.37
703-000-230-013	WIRE ACCT INT - DUE TO OTHER GOVT		29.66
703-000-230-032	DELQ TAX OVER AND SHORT	3.88	
703-000-230-043	WIRE- ONLINE SERVICE FEES		9.57
703-000-230-044	TAX NSF FEES		137.89
703-000-234-110	KENT ISD - TAXES		849,398.55
703-000-234-210	KENT ISD - IFT TAXES		3,572.87
703-000-235-110	GRCC - TAXES		267,244.80
703-000-235-210	GRCC - IFT TAX		381.25
703-000-274-000	UNDISTRIBUTED TAX COLLECTION		371.87
703-000-275-000	DUE TO TAXPAYERS		19,825.89
Total Fund 703 - CURRENT TAX COLLECTION FUND		3,908,376.76	3,908,376.76



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

Date: September 25, 2019
To: Supervisor Beahan and Township Board Members
From: Ben Swayze, Township Manager
Subject: Naming Request – Cascade Road Pathway

FACTS:

Earlier this year Ryan Marsman, son of Cascade Township Firefighter Andy Marsman, passed away tragically in a bicycle accident. As a way of honoring Ryan and his love of bicycling, Trustee Shipley recommended that the Township consider naming a portion of the Cascade Township pathway in his memory. After consulting with the Marsman family, the section of the Cascade Road pathway between Burton Street and Hall Street was identified as Ryan’s favorite section to ride his bike.

The Cascade Township “Policy for the Naming of Township Assets” outlines the process for a naming dedication. In particular, Section F states:

Exceptions – There may be an extraordinary case whereby an exception may be granted to the above policies and procedures. In such instance, the Township Manager will complete a formal review and make a recommendation to the Township Board for final approval.

Attached for your review are:

- Application to Request a Name for a Township Asset – Ryan Marsman Memorial Pathway
- Cascade Township Policy for the Naming of Township Assets
- Proposed pathway signage

ANALYSIS & CONCLUSIONS:

The proposal for naming the Ryan Marsman Memorial Pathway was reviewed by the Infrastructure Committee. Trustee Shipley has consulted with the Marsman Family, who have indicated that they would appreciate the memorial. The proposed signs would be made to match the current signs on the pathway, and would be attached to the existing poles at each intersection that currently hold “No Motorized Vehicles” signs.

If approved by the Township Board, the Buildings and Grounds Department will order the signs. Once we know when the signs will be available, we will work with the Marsman family to schedule a dedication ceremony to take place near the pathway at Burton and Hall Street. The Infrastructure Committee has recommended the Township Board approve the “Application to Request a Name for a Township Asset” for the Ryan Marsman Memorial Pathway.

FINANCIAL CONSIDERATIONS:

If approved, the Township will purchase and maintain approximately 12 signs. Initial signs will cost between \$500 and \$1,000 and replacement signs in the future would come from regular expenditures of the Buildings and Grounds Department.

RECOMMENDED ACTION:

Approve the “Application to Request a Name for a Township Asset” for the Ryan Marsman Memorial Pathway.



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7192

APPLICATION TO REQUEST A NAME FOR A TOWNSHIP ASSET

Date 9.19.19

Applicant Name INFRASTRUCTURE COMMITTEE

Address 2865 THORNHILLS AVE SE, CASCADE, 49546

Phone 616-949-1500

Email _____

Asset to be named CASCADE ROAD PATHWAY - BURTON ST.

TO HALL ST.

Requested Name and Justification for Name RYAN MARSMAN

MEMORIAL PATHWAY - MEMORIALIZING RYAN, SON
OF CASCADE FIREFIGHTER ANDY MARSMAN, WHO LOST HIS
LIFE IN A BIKING ACCIDENT ON THIS STRETCH OF
PATHWAY.

Proposed Gift Consideration (Donation) EXCEPTION - SEE SECTION

F. OF THE POLICY FOR NAMING TOWNSHIP ASSETS

Signature of Applicant [Signature]



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7192

Policy for the Naming of Township Assets

Adopted by the Township Board on May 13, 2009

Purpose – This policy has been adopted to establish criteria for use by Cascade Charter Township in the naming of any current or future Township building, park, prominent feature, or facility. The criteria will ensure that names are not duplicated and to give proper honor and respect to noteworthy community figures and organizations.

Scope - This policy shall apply to all property and assets under the ownership of Cascade Charter Township, a Michigan municipal corporation, and shall be in full effect upon adoption.

Regulations - The Township shall designate an official name in honor of an individual person, persons or entity provided that the following are met:

- A. The person made significant contributions, financial or otherwise to the community of Cascade Township.
- B. All official names shall be approved by the Township Board after a review by the Infrastructure Committee. Requests for official name designation shall be done at the request of the Township Manager, any member of the Township Board, or via an application submitted to the Township office.
- C. Donor Related Naming – A formal gift agreement between the Township and the donor must be executed before any facility, park, open space, pavilion, roadway (within a park), playing field, pathway, or other major asset of the Township is named. Generally, donations should exceed 10% of the cost or value of the asset to be named.
- D. Miscellaneous, Smaller Named Items - Bricks, plaques, benches, landscaping items and similar miscellaneous items obtained through gifts may carry donor or honorary names with the approval of the Township Manager. Approval by the Township Board will not be required for any such naming, although the Township Manager should notify the Township Supervisor and Board early in the gifting process.
- E. Recognition - When a Township Asset is named for an individual, the actual name will appear on all signage, literature, and marketing related to it.
- F. Exceptions - There may be an extraordinary case whereby an exception may be granted to the above policies and procedures. In such an instance, the Township Manager will complete a formal review and make a recommendation to the Township Board for final approval.
- G. Change of Name - The Township Board reserves the right to change the name of a Township Asset, but only for good cause when it is in the best interest of the Township.



18.50

5.25

Ryan Marsman
Memorial Pathway

STAFF REPORT: Case # 19-3534
REPORT DATE: September 16, 2019
PREPARED FOR: Cascade Charter Township Board
MEETING DATE: September 25, 2019
PREPARED BY: Steve Peterson, Planning Director

APPLICANT:
Cascade TLC
16920 Ferris St
Grand Haven MI 49417

STATUS

OF APPLICANT: Developer.

REQUESTED ACTION: Type II Special Use Permit for Day Care center.

EXISTING ZONING OF
SUBJECT PARCEL: R1, Residential

GENERAL LOCATION: Southeast corner of Cascade Rd and Hall St.

PARCEL SIZE: Approximately 1.5 Acres

EXISTING LAND USE
ON THE PARCEL: vacant

ADJACENT AREA
LAND USES: N – Single Family Residential – Ada Twp
S – Single Family Residential
E – Single Family Residential
W – Consumer Power

ZONING ON ADJOINING
PARCELS: N – PUD – Ada Twp
S – R1
E – R1
W – R-1

STAFF COMMENTS:

1. The applicant is requesting a Type II Special Use Permit to construct a new 10,000 Sq.ft daycare center.
2. This property is zoned residential and is identified as Suburban Residential in the Master Plan. This designation is mainly a recognition of the residential zoning district.
3. The master plan does not contemplate expanding the office and commercial uses in the suburban residential zoning districts. The daycare center is a use that is allowed in the residential zone as a special use.
4. The plan does include a new access to Hall St. the applicant has provided a traffic study to show the impacts and any possible improvements as a result of the new day car. This report is attached. The report indicated that the current configuration of the roads are capable of handling the day care but that the KCRC will need to continue to monitor for possible timing changes for the Hall/Cascade Rd intersection. Email from KCRC is also attached.
5. The Township fire dept has reviewed and approved the plan.
6. The Township engineer has also reviewed and approved the plans.
7. The Planning Commission held a public hearing on July 15th and tabled the matter until the applicant could address some of the engineering issues as well provide updated plans and a revised photometric plan. After those issues were addressed the planning commission took the matter up again and recommended approval of the plan at their September 9 meeting. Several neighbors were present at both meetings and did object to the use based mostly on traffic concerns.
8. Section 17.06 as well as 17.07 of the zoning ordinance requires the Planning Commission to review several factors before making a recommendation to the Township Board. I have listed those items for your consideration followed by my comments for each. I have also followed that with the recommendations from the Cascade Rd Corridor study.

<i>Factors</i>	<i>Comments</i>
Be designed, constructed, operated and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the area in which the	This building is 10,000 sq ft which is quite a bit larger than the homes in the area. It is being built consistent with the Cascade Rd corridor study which was developed to be harmonious

use is proposed.	with the residential standards. That is also the same size of the similar use on Macnider Ave.
Be adequately served by essential facilities and services such as highways, streets, police and fire protection, drainage, refuse disposal, water and sewer facilities and schools.	This daycare would be connected to public sewer and water. Sewer would be served from Ada Township and water from Cascade. This is not unprecedented in this area and we most recently did a similar setup with the assisted living facility off from Spaulding.
Not create excessive additional requirements at public cost for public facilities and services.	This site would not cause excessive additional requirements at the expense of the public.
Not cause traffic congestion, conflict or movement in greater proportion to that normally prevailing for the use in the particular zoning district.	The fact that this use will generate the majority of its traffic during peak travel times is a major reason for the traffic study. The KCRC does not believe any improvements are necessary would indicate that the traffic is not in greater proportion for the district.
Not involve uses, activities, processes, materials, equipment or conditions of operation that will be detrimental to any persons, property, or the general welfare by reason of noxious or offensive production of noise, smoke, fumes, glare, vibration, odor or traffic.	This is an accepted residential use, like parks, churches and schools that are also permitted in the residential zone.
...must be situated such that the proposed site has direct primary access on at least one collector or arterial street as classified by the Major Street Plan	The Cascade Rd corridor study suggests that access to Cascade Rd be limited. Providing access off from Hall St would be better from a traffic management perspective.
A minimum lot size of 40,000 square feet.	The site is a little less than 2 acres.
Dormitory facilities are not permitted.	This facility is not a dormitory
Based upon the established capacity of the facility, there shall be provided and maintained, on the premises, a minimum of 150 square feet of outdoor play area per child with not less than 5,000 square feet per facility.	They are now showing a 21,375 sq ft playground area. This provides a maximum of 141 kids for the site. The playground no longer is over the detention system.
The outdoor play area shall be enclosed by a chainlink fence not less than four (4) feet in height, and screened by natural or planted vegetation to a height of at least five (5) feet.	They have provided the screening that is required around the playground area.
Signs shall be subject to the regulations relative to signs for the district in which the use is to be located.	The sign permit will be separate permit.

Such facilities must be registered with the Township and licensed by the State.	The license by the state can be obtained before a building permit is issued.
<i>Factors</i>	<i>Comments</i>
Be designed, constructed, operated and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the area in which the use is proposed.	This building is 10,000 sq ft which is quite a bit larger than the homes in the area. It is being built consistent with the Cascade Rd corridor study which was developed to be harmonious with the residential standards. That is also the same size of the similar use on Macnider Ave.
Be adequately served by essential facilities and services such as highways, streets, police and fire protection, drainage, refuse disposal, water and sewer facilities and schools.	This daycare would be connected to public sewer and water. Sewer would be served from Ada Township and water from Cascade. This is not unprecedented in this area and we most recently did a similar setup with the assisted living facility off from Spaulding.
Not create excessive additional requirements at public cost for public facilities and services.	This site would not cause excessive additional requirements at the expense of the public.
Not cause traffic congestion, conflict or movement in greater proportion to that normally prevailing for the use in the particular zoning district.	The fact that this use will generate the majority of its traffic during peak travel times is a major reason for the traffic study. The KCRC does not believe any improvements are necessary would indicate that the traffic is not in greater proportion for the district.
Not involve uses, activities, processes, materials, equipment or conditions of operation that will be detrimental to any persons, property, or the general welfare by reason of noxious or offensive production of noise, smoke, fumes, glare, vibration, odor or traffic.	This is an accepted residential use, like parks, churches and schools that are also permitted in the residential zone.
...must be situated such that the proposed site has direct primary access on at least one collector or arterial street as classified by the Major Street Plan	The Cascade Rd corridor study suggests that access to Cascade Rd be limited. Providing access off from Hall St would be better from a traffic management perspective.
A minimum lot size of 40,000 square feet.	The site is a little less than 2 acres.
Dormitory facilities are not permitted.	This facility is not a dormitory
Based upon the established capacity of the facility, there shall be provided and maintained, on the premises, a minimum of 150 square feet of outdoor play area per child with not less than 5,000 square feet per facility.	They are now showing a 21,375 sq ft playground area. This provides a maximum of 141 kids for the site. The playground wraps around the building

The outdoor play area shall be enclosed by a chainlink fence not less than four (4) feet in height, and screened by natural or planted vegetation to a height of at least five (5) feet.	They have provided the screening that is required.
Signs shall be subject to the regulations relative to signs for the district in which the use is to be located.	The sign permit will be separate permit.
Such facilities must be registered with the Township and licensed by the State.	The license by the state can be obtained before a building permit is issued.

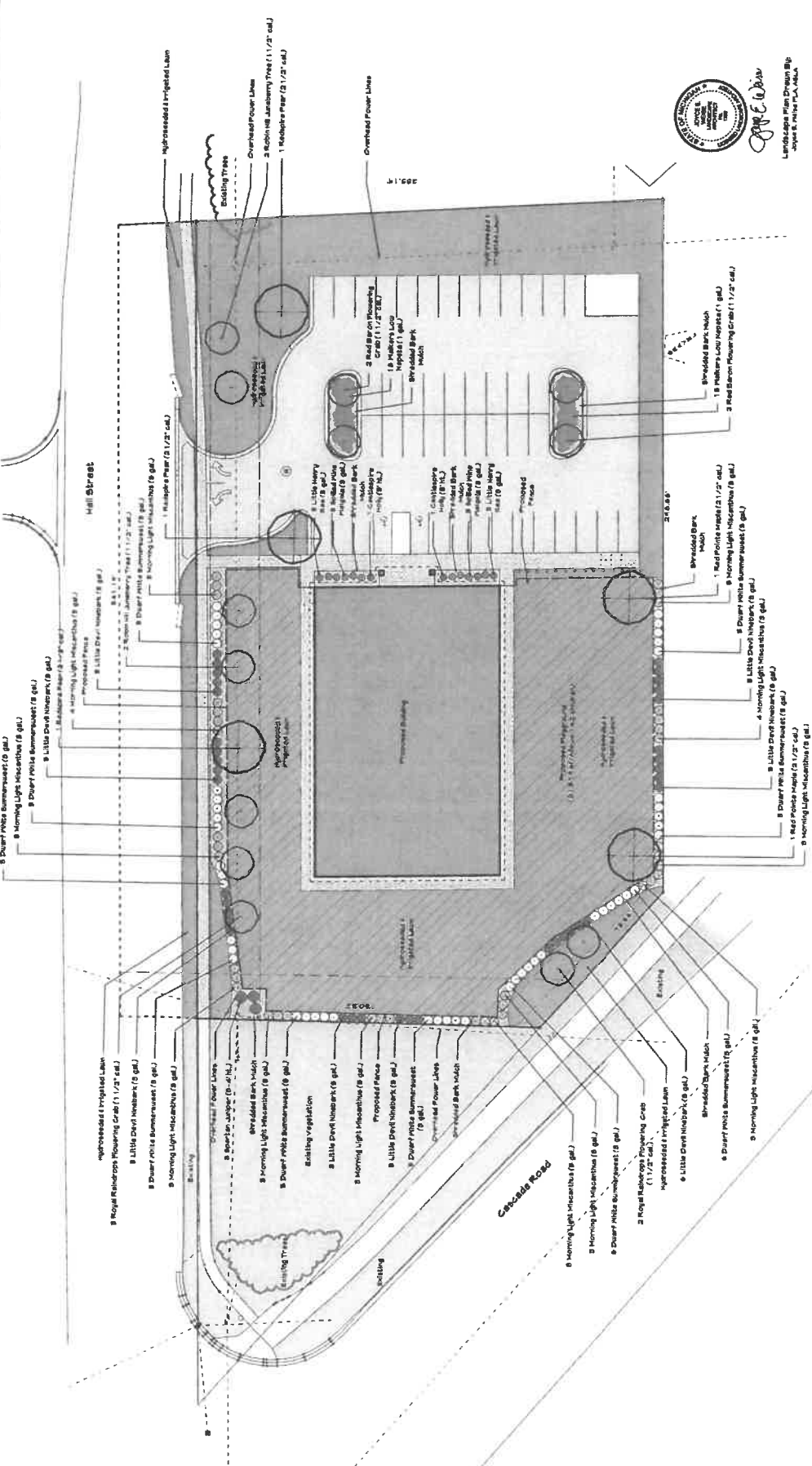
STAFF RECOMMENDATION

Staff recommends that you approve the project with the following conditions:

- a. Provide a landscape bond of \$10,000.
- b. Execute the storm water maintenance agreement.
- c. Approval from Ada Township to service the site with public sewer.

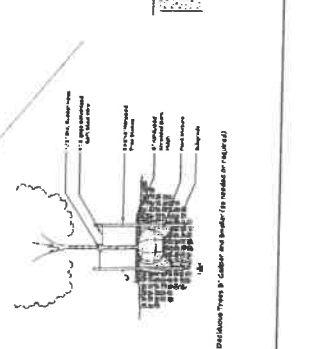
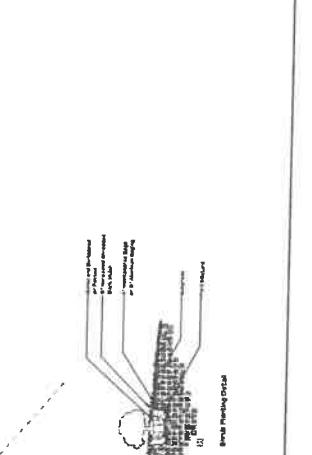
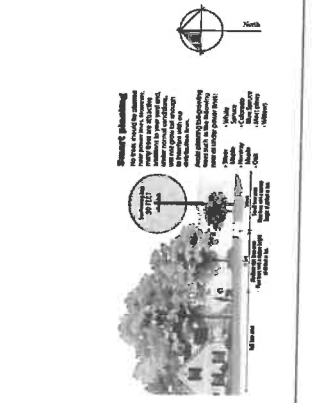
Attachments: Application
 Updated Site Plans
 Traffic study
 Township engineer letter
 KCRC response to updated traffic study

DRAWING NUMBER:	0209 1/4
DRAWN BY:	Joseph E. Mihal, P.L.A., M.S.A.
CHECKED BY:	
DATE:	
SCALE:	1"=20'
SHEET NUMBER:	L-1



NOTES:

1. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
2. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
3. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
4. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
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8. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
9. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.
10. All plantings shall be installed in accordance with the Michigan Department of Natural Resources (MDNR) Planting Standards.



Precision Trees & Garden and Nurseries (as needed or required)

Calculation Summary

Label	Calc Type	Units	Area	Min	Max	Angle	Block
LOT AREA	Area	sq ft	100	0.0	100.0	0.0	0.0
LOT COVER	Area	sq ft	100	0.0	100.0	0.0	0.0
PARKING LOT	Area	sq ft	100	0.0	100.0	0.0	0.0
PAVING LOT	Area	sq ft	100	0.0	100.0	0.0	0.0

Lottery Schedule

Lottery	Day	Label	Arrangement	LLD	LOD	UF	Remarks
1		BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)
2		BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
1	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)
2	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
3	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
4	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
5	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
6	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
7	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
8	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
9	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
10	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
11	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
12	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
13	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
14	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
15	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
16	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
17	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
18	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
19	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
20	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
21	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
22	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
23	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
24	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
25	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
26	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
27	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
28	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
29	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
30	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
31	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
32	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
33	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
34	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
35	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
36	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
37	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

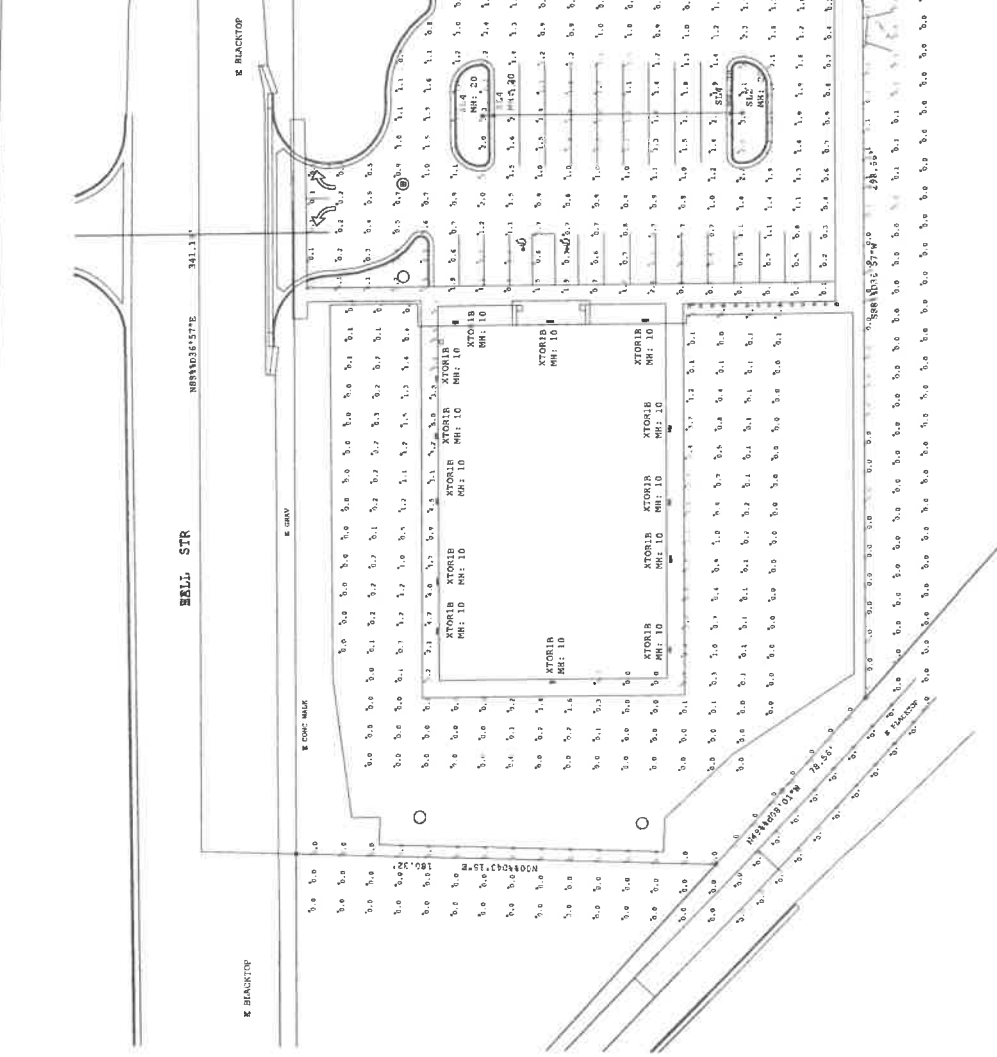
Unit	Label	Arrangement	LLD	LOD	UF	Remarks
38	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
39	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)

Unit Schedule

Unit	Label	Arrangement	LLD	LOD	UF	Remarks
40	BLK	SINGLE	0.800	3.800	1.000	LATCH - LUMINA (COMMON CODED LIGHTING)



DECLARER

Architectural Services Inc. is the lighting design and based on the design parameters provided in the drawings. The design is based on the design parameters provided in the drawings. The design is based on the design parameters provided in the drawings.

www.crlbsrvey.com

9080 West Thayer Center Dr
 Commerce Park, MI 48221
 P.O. Box 247, 48208



FCC-TLC

DATE: 06/11/10
 REVISION: 07/22/10
 06/08/10

Author: [Name]
 Date: [Date]

1

PHOTOMETRIC PLAN

1 of 20



August 1, 2019

VIA EMAIL

Mr. David Lucas
 FCC Construction
 Director of Construction
 8182 Broadmoor Ave SE
 Caledonia, MI 49316

**RE: Traffic Impact Study
 Learning Center Day Care
 5333 Cascade Road, Cascade Township, Michigan**

Dear Mr. Lucas:

Fleis & VandenBrink (F&V) completed a traffic impact study (TIS) dated June 17, 2019 for the proposed Learning Center Day Care located at 5333 Cascade Road. The TIS was completed pursuant to the requirements of Cascade Township as part of the site plan approval process.

The data collection that was performed for this TIS was collected on May 23, 2019 while school was in session, but unfortunately after the High School senior class had been dismissed for the year. The Kent County Road Commission (KCRC) performed traffic data collection in March 2019 on westbound Hall Road, east of Cascade Road in March 2019 that was used as a comparison to the traffic counts collected on May 23, 2019. This comparison and the resulting analysis are summarized herein.

Traffic Volume and Peak Hour Factor Comparison

Peak Period		Traffic Volumes (vph)			Peak Hour Factor		
		3/12/2019	5/23/2019	Difference	3/12/2019	5/23/2019	Difference
AM	7:15 AM to 8:15 AM	440	442	-2	0.48	0.61	-0.13
MD	2:45 PM to 3:45 PM	202	440	-238	0.55	0.60	-0.05
PM	4:30 PM to 5:30 PM	248	171	77	0.76	0.87	-0.11

AM Peak Hour

The AM peak hour traffic volumes occur in the mornings from 7:15AM-8:15AM. The total peak hour traffic volumes were essentially the same from March to May; however, the peak hour factor (PHF) decreased from 0.61 to 0.48. This means that more traffic entered the intersection within a shorter period of time. For example, an intersection with a PHF of 1.00 means all of the traffic was evenly distributed throughout the peak hour. A lower PHF means more traffic is concentrated during peak 15-minute intervals. This high peak demand on an intersection can impact the overall intersection operations and LOS.

Therefore, we updated the intersection capacity analysis to determine the impact the change in PHF would have on the intersection LOS. The results of the updated analysis show that with the existing signal timing the westbound approach currently operates at LOS F. In order to improve the existing operations and accommodate the projected traffic volumes associated with the proposed development, we recommend that

27725 Stansbury Boulevard, Suite 195
 Farmington Hills, MI 48334
 P: 248.536.0080
 F: 248.536.0079
 www.fveng.com

the signal timing be optimized. Our analysis shows that an additional 7 seconds of green time for the westbound approach would improve the LOS from F to D.

However, even without changing the signal timing, the percentage of time the proposed site driveway will be blocked during the AM peak hour is about 2 minutes, during the entire peak hour. This could be further reduced by adding the additional green time for the westbound approach, as recommended.

MD Peak Hour

The mid-day (MD) peak hour traffic volumes occur after school is let out, from 2:45PM-3:45PM. The traffic counts that we conducted in May 2019 were almost double the volumes that KCRC collected in March 2019 and the PHFs were essentially identical. Therefore, the analysis that was included in the TIS for the MD peak hour is very conservative and no revisions to the analysis were necessary.

PM Peak Hour

The PM peak hour traffic volumes occur in the evenings from 4:30PM-5:30PM, and are not generally affected by school traffic, other than some after school activities. The traffic counts that we conducted in May 2019 were less than those performed in March 2019, and the peak hour factor was slightly less. Therefore, we updated the analysis to evaluate the impact of the higher traffic volumes on the intersection operations and the impact to the proposed site driveway.

The results of the analysis showed that changes in operations and delay were minimal, with all study intersection approaches and movements remaining at LOS D or better.

Summary

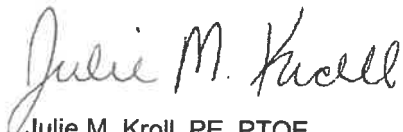
Overall, the impact of the senior class traffic volumes on the adjacent roadway did not impact the results or recommendations of the traffic study which is as follows:

- Optimize the signal timing at the Cascade Road & Hall Street intersection during AM peak period; this will improve the intersection operations and reduce the queue lengths on Hall Street. It is recommended that the KCRC monitor the operations of this intersection after the proposed development opens to determine if/when the signal timing changes should be implemented.

The KCRC has stated that they continually monitor their intersection operations and update the signal timing as necessary.

Sincerely,

FLEIS & VANDENBRINK ENGINEERING, INC.



Julie M. Kroll, PE, PTOE
Sr. Project Manager

Attachments



Volume Count Report

LOCATION INFO	
Location ID	4279_WB
Type	SPOT
Funct'l Class	-
Located On	HALL
Loc On Alias	
EAST OF	CASCADE
Direction	WB
County	Kent
Community	Ada Township
MPO ID	
HPMS ID	
Agency	GVMC

COUNT DATA INFO	
Count Status	Accepted
Start Date	Mon 3/11/2019
End Date	Tue 3/12/2019
Start Time	10:00:00 AM
End Time	10:00:00 AM
Direction	
Notes	
Station	4279
Study	
Speed Limit	
Description	
Sensor Type	
Source	
Latitude,Longitude	

INTERVAL:15-MIN					
Time	15-min Interval				Hourly Count
	1st	2nd	3rd	4th	
0:00-1:00	0	0	0	2	2
1:00-2:00	0	1	0	0	1
2:00-3:00	2	1	1	0	4
3:00-4:00	0	0	0	0	0
4:00-5:00	0	1	1	2	4
5:00-6:00	1	0	12	12	25
6:00-7:00	19	20	34	26	99
7:00-8:00	62	229	133	60	484
8:00-9:00	18	48	53	37	156
9:00-10:00	16	17	16	21	70
10:00-11:00	27	9	27	24	87
11:00-12:00	17	37	23	22	99
12:00-13:00	31	41	23	30	125
13:00-14:00	21	26	15	26	88
14:00-15:00	31	38	65	91	225
15:00-16:00	43	37	31	33	144
16:00-17:00	55	56	65	82	258
17:00-18:00	51	50	52	62	215
18:00-19:00	54	40	36	35	165
19:00-20:00	28	42	33	18	121
20:00-21:00	22	18	10	13	63
21:00-22:00	15	7	5	7	34
22:00-23:00	5	5	6	1	17
23:00-24:00	4	1	1	1	7
Total					2,493
AADT					2,493
AM Peak					07:00-08:00 484
PM Peak					16:00-17:00 258

AM = 440
PHF = 0.48

MD = 202
PHF = 0.55

PM = 248
PHF = 0.76

Intersection	Control	Approach	Existing Conditions				Future Conditions				Future Conditions (With Improvements)		
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		
			Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	Delay (s/veh)	LOS	
1	Cascade Road & Hall Street	Signalized	WBL	95.2	F	49.3	D	145.3	F	48.2	D	52.3	D
			WBR	87.2	F	20.3	C	111.1	F	20.9	C	41.7	D
			NBT	17.7	B	28.2	C	17.7	B	28.2	C	24.0	C
			NBR	21.2	C	20.8	C	22.8	C	21.3	C	34.5	C
			SBL	28.3	C	18.3	B	29.2	C	20.1	C	30.7	C
			SBT	7.5	A	0.2	A	3.0	A	0.1	A	0.4	A
			Overall	38.2	D	18.0	B	50.0	D	18.6	B	28.3	C

From: [Haagsma, Tim](#)
To: [Steve](#); [Jacob Swanson](#); [Julie M. Kroll](#)
Cc: [Doug Stalsonburg](#); [Wollner, Shirley](#); [Harrall, Wayne](#); dilucas@teamfcc.com
Subject: RE: Learning Center Traffic Study
Date: Monday, June 17, 2019 3:18:44 PM
Attachments: [image002.png](#)
[image003.png](#)

Steve,

There is no cost for the retiming. The signal head that was just added as part of our overall signal improvement program helps even more than a small timing shift.

We routinely monitor and retime traffic signals to keep them in step with changes in traffic volumes.



Tim Haagsma, PE

Director of Traffic and Safety

(616) 242.6923

thaagsma@kentcountyyroads.net

Kent County Road Commission

1500 Scribner Avenue NW, Grand Rapids, MI 49504

kentcountyyroads.net

Steve

From: Haagsma, Tim <thaagsma@kentcountyroads.net>
Sent: Thursday, August 08, 2019 11:59 AM
To: Steve
Cc: Julie M. Kroll (jkroll@fveng.com)
Subject: RE: 5333 cascade rd day care

Steve

I agree with the recommendation of the revised study.

The letter did reference that Kalamazoo County Road Commission did the counts – I think that is in error.



Tim Haagsma, PE
Director of Traffic and Safety
(616) 242.6923
thaagsma@kentcountyroads.net

Kent County Road Commission
1500 Scribner Avenue NW, Grand Rapids, MI 49504
kentcountyroads.net

From: Steve [mailto:Steve@cascadetwp.com]
Sent: Thursday, August 8, 2019 10:17 AM
To: Haagsma, Tim
Subject: 5333 cascade rd day care

Tim, I wanted to follow up so I could get something n writing from you.

Are you in agreement with the recommendations from the revised traffic impact statement?

Steve Peterson
Cascade Charter Township
Community Development Director
2865 Thornhills SE
Cascade MI 49546
616-949-0224



August 7, 2019
Project No. 170168

Mr. Steve Peterson
Cascade Charter Township
2865 Thornhills Avenue, SE
Grand Rapids, MI 49546-7192

Re: The Learning Experience
Site Plan Review

Dear Steve:

We have reviewed the site plan for the Learning Experience, located at 5333 Cascade Road, prepared by Exxel Engineering, Inc. The current site plan and basis of this review is dated July 31, 2019. The proposed project is a 10,000 square-foot children's day care center. The project includes playground areas adjacent to the building, water and sanitary sewer utility services, stormwater improvements, parking lot, and a new driveway on Hall Street.

Stormwater and Drainage

Flood Control

The Cascade Charter Township Storm Water Ordinance (SWO), Section 1.04, states the ordinance shall apply to all development that requires any permit for work which will alter the stormwater drainage characteristics of the development site. The site is in Stormwater Management Zone B, which requires detention of the 25-year storm event and a direct connection (overland or underground) of the 100-year storm event, or detention of the 100-year storm event. The SWO also requires the first 0.5-inch of stormwater runoff be detained and released over a 24-hour period, or equivalent treatment.

Stormwater runoff from the site is collected by a series of catch basins and discharged to an underground detention system located beneath the parking lot, east side of the building. The detention system is sized for the 25-year storm event. An outlet control structure restricts the stormwater release rate to 0.13 cfs/acre. The detention basin discharges to a drainage ditch adjacent to Cascade Road. The applicant coordinated the discharge pipe location with the Kent County Road Commission. The proposed stormwater management design is in accordance with the Township SWO.

Water Quality Control

The SWO requires the first 0.5 inch of stormwater runoff be detained and released over a 24-hour period. The underground detention basin is designed with an outlet control structure and low flow outlet to detain the first 0.5 inch of runoff from the site and release it over a 24-hour period. The proposed design is in accordance with the Township SWO.

Stormwater Runoff

The applicant provided stormwater calculations to size the underground detention basin. All stormwater runoff from the impervious areas of the site will discharge to the detention basin. Therefore, the site will not see an increase in rate of stormwater leaving the site.

Drainage Plan

The applicant has submitted drawings, calculations, and additional documentation as required in the SWO Section 2.03, Drainage Plan. Please note a maintenance agreement is required before construction begins. The agreement should be submitted to the Township for review. The maintenance agreement and plan should include at a minimum, monitoring and cleaning of the underground detention basin and catch basin sumps.

Utilities

The proposed project includes a new 1-1/2-inch domestic water service and 6-inch sanitary sewer service for the new building. The water service will extend to the south under Cascade Road. The sanitary sewer service will extend to the north under Hall Street and connect to an 8-inch sanitary sewer main owned and operated by the Village of Ada. A City of Grand Rapids permit will be required for the water service and Village of Ada permit for the sanitary sewer connection.

Soil Erosion and Sedimentation Control

Soil Erosion and Sedimentation Control (SESC) measures are provided on the plan drawings. The applicant has included silt fence along the limits of clearing and grading, and silt sacks in catch basins. SESC falls under the review and approval of the KCRC, and a permit is required before construction can begin. The SESC measures indicated on the drawings appear appropriate, given the expected work.

Summary

The proposed stormwater management design meets the Township SWO requirements for new developments. The applicant will need to apply for and obtain several permits (SESC, water from the City of Grand Rapids, sanitary sewer from the Village of Ada) prior to beginning construction. We recommend approval of the site plan from an engineering standpoint.

If you have any questions or require additional information, please contact me at 616.464.3786 or nrtorrey@ftch.com.

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.



Nathan R. Torrey, PE

jlk

Attachments

By email

cc: Michael L. Berrevoets, PE – FTCH



Cascade Charter Township

Storm Water Ordinance, Ordinance 7 of 2002, as amended by Ordinance No. 2 of 2008, 5/14/2008

Reviewing Engineer Comments are Italicized

OK – Received and Acceptable

NA – Not Applicable

NR – Not Received, Needs Follow-up, See Comments

The Learning Experience

Drainage Plan Checklist

- OK (1) Location of the development site and water bodies that will receive storm water runoff
Stormwater runoff from the site discharges to an underground detention system. The detention system discharges through an outlet control structure to a drainage ditch adjacent to Cascade Road.
- OK (2) Existing and proposed topography of the development site, including the alignment and boundary of the natural drainage courses, with contours having a maximum interval of one foot (using USGS datum). The information shall be superimposed on the pertinent Kent County soil map
Existing and proposed contours have been provided. Soil map information is not required.
- OK (3) Development tributary area to each point of discharge from the development.
The applicant provided tributary areas for that portion draining to the underground detention basin.
- OK (4) Calculations for the final peak discharge rates
The applicant provided calculations for the onsite storm sewer system.
- OK (5) Calculations for any facility or structure size and configuration
The applicant provided calculations for the onsite storm sewer and detention basin.
- OK (6) Drawing showing all proposed storm water runoff facilities with existing and final grades
The applicant provided plans showing all proposed storm water runoff facilities.
- OK (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
Significant offsite flows were not identified by the applicant.
- OK (8) An implementation plan for construction and inspection of all storm water runoff facilities necessary to the overall drainage 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 drainage plan
A construction schedule was included on the plans.
- OK (9) Plan to ensure the effective control of construction site storm water runoff and sediment track-out onto roadways
The SESC measures shown on the plan appear appropriate given the expected work. SESC falls under the review and approval of the KCRC and a permit is needed before construction can begin.



- OK (10) Drawings, profiles, and specifications for the construction of the storm water runoff facilities reasonably necessary to ensure that storm water runoff will be drained, stored, or otherwise controlled in accordance with this ordinance
The applicant provided a plan and design details for construction of the onsite drainage system.
- NR (11) Maintenance agreement, in form and substance acceptable to the Township, 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 drainage plan, the agreement shall authorize the Township to maintain any on-site storm water runoff facility as reasonably necessary, at the developer's expense
Maintenance agreement was not provided and is required.
- OK (12) Name of the engineering firm and the registered professional engineer that designed the drainage plan and that will inspect final construction of the storm water runoff facilities
- NA (13) All design information must be compatible for conversion to Grand Valley Regional Geographic Information System (REGIS)
This is a privately owned system and will not be uploaded to REGIS.
- OK (14) Other information necessary for the Township to verify that the drainage plan complies with the Township's design and performance standards for drains and storm water management systems

STAFF REPORT

TO: Cascade Charter Township Board
FROM: Steve Peterson, Community Development Director
REPORT DATE: September 16, 2019
MEETING DATE: September 25, 2019
CASE: #18-3507/Thornapple Pointe Subdivision

GENERAL INFORMATION

- A. Applicant: Buffum Builders
144 44th St SW
Grand Rapids MI 49548
Telephone: 538-4663
- B. Status of Applicant: Developer
- C. General Location: The property is located on the South side of 48th St just east of M-6.
- D. Requested Action: approval of a new site single family subdivision for 19 single family detached homes.
- E. Existing Zoning on Subject Parcels: R1, Residential
- F. Zoning on Adjoining Parcels:

N – ARC, Agricultural Rural Conservation
S– R1, Residential
E– R1, Residential
W- ARC, Agricultural Rural Conservation
- G. Parcel Size: Approximately 39 Acres
- H. Existing Land Use on Subject Parcel: Vacant
- I. Adjacent Area Land Uses:
North - Golf Course
East - Residential
South - Residential
West - Vacant/M-6

STAFF ANALYSIS

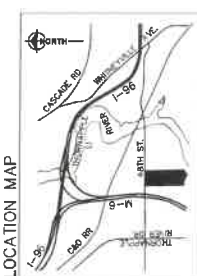
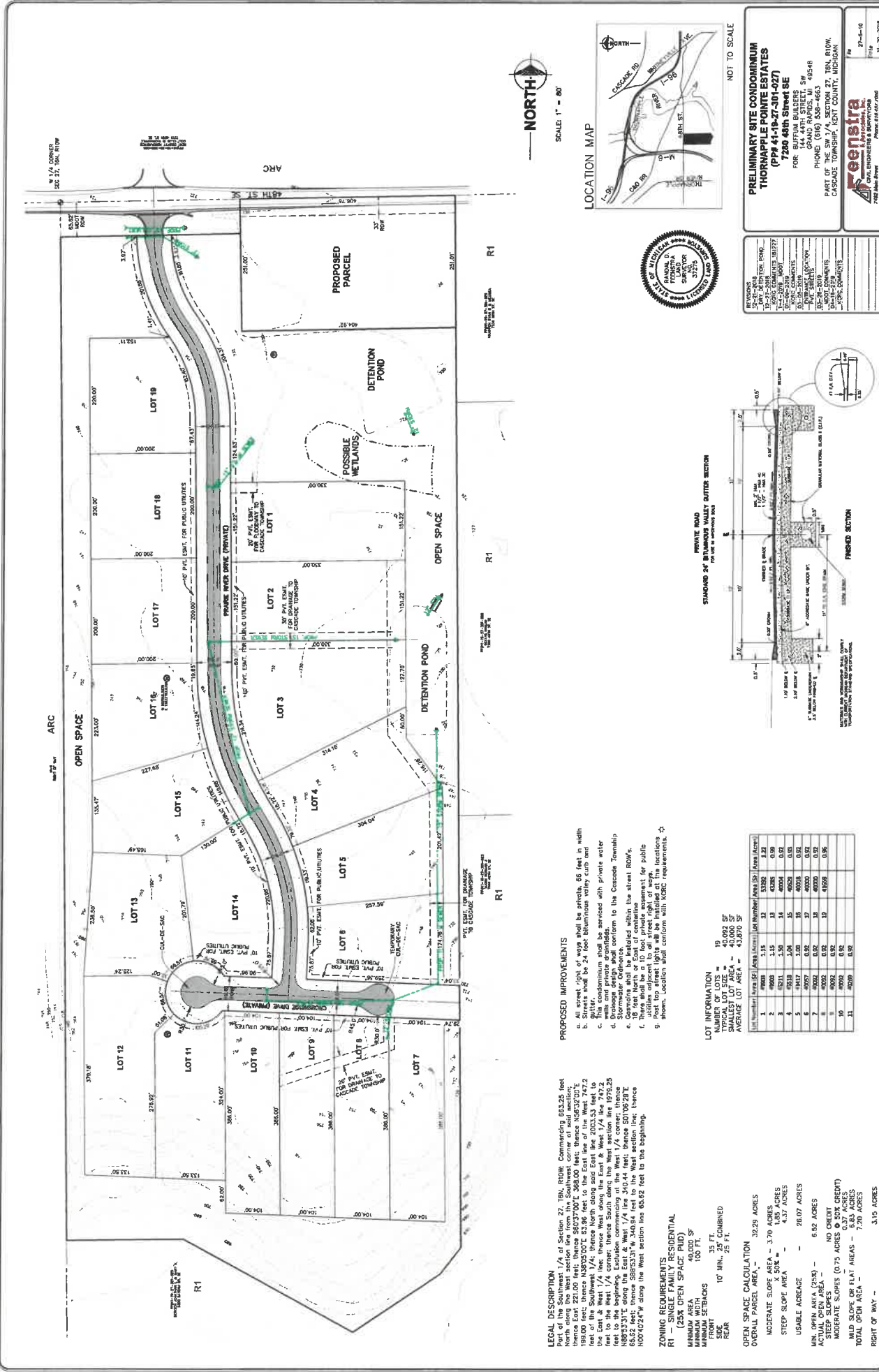
1. The applicant is requesting Final Preliminary Plan approval. The development would allow for a new subdivision for 19 single family detached homes on a new public road. Although not part of the project the development of the property does include a single split from some of the 48h St frontage property.
2. This same applicant originally proposed a 21-unit platted subdivision back in 2015 on the property. They never went through with that project and have decided to resubmit with a slightly different plan.
3. The development will not be seeking deviations from our subdivision ordinance.
4. The property is zoned R1 and is Master Planned Suburban Residential, which is essentially an extension of the residential zoning district.
5. The area is not served by water and sewer and therefore the property would have to get approval from the KCHD for on-site well and septic. The KCHD has issued their review letter dated 8/28/19. The KCHD has indicated some concern for both wells and septics in the report.
6. The site does not have access to the Thornapple River.
7. There are no projects in the Capital Improvement Plan that would be activated as a result of this project.
8. The applicant has chosen the "25% private open space" method for determining minimum lot size. This method requires a minimum lot size of 40,000 sq.ft. The open space provided is calculated after removing the non-buildable portion of the property.
9. The plans indicate that the lots range in size from 40,000 to almost 65,000 sq ft.
10. The plan does include a private road and provides access to the property to the east. If the property to the east were to develop it would be possible to connect to this new private street.
11. This plan meets our subdivision ordinance for density and lot size requirements.
12. As with all of our residential developments, the developer has installed an airport recognition statement in the deed restrictions.
13. The applicant has indicated the type of light poles and street trees on the plan.

14. The subdivision is located in the utility service area and has included an SAD agreement in the master deed language if utilities ever become available.
15. The applicant has submitted the master deed and bylaws which have been reviewed to ensure no inconsistency with township ordinance.
16. The Township Engineer has reviewed and approved the plans. A storm water maintenance agreement will be required.
17. Final Preliminary Approval essentially approves the project and allows the developer 2 years to get it started. Such tentative approval may be extended if applied for by the subdivider and granted by the Township Board in writing.

STAFF RECOMMENDATION

Staff believes this project meets the requirements for Final preliminary approval of our subdivision ordinance and is consistent with the Master Plan.

Attachments: Site Plan
Location Map
Attachments from the applicant



NOT TO SCALE

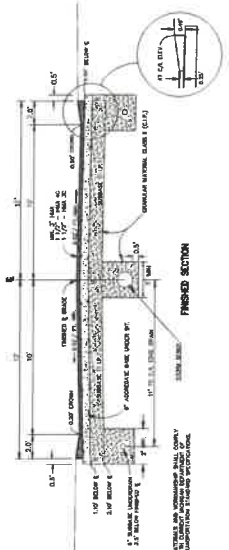
**PRELIMINARY SITE CONDOMINIUM
THORNAPPLE POINTE ESTATES
(PP# 41-18-27-01-027)**

FOR BUFTUM BUILDERS
7280 48th Street SE
GRAND RAPIDS, MI 49548
PHONE: (616) 538-4663

PART OF 1/4 SECTION 27, T16N, R10W,
CASCADE TOWNSHIP, WEST COUNTY, MICHIGAN

Greenstra
Professional Land Surveyors, Inc.
2042 Main Street
Grand Rapids, MI 49503
Phone: (616) 445-2000
www.greenstrala.com

NO.	DATE	DESCRIPTION
1	12-22-2018	PRELIMINARY
2	12-22-2018	REVISIONS
3	12-22-2018	REVISIONS
4	12-22-2018	REVISIONS
5	12-22-2018	REVISIONS
6	12-22-2018	REVISIONS
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36	12-22-2018	REVISIONS
37	12-22-2018	REVISIONS
38	12-22-2018	REVISIONS
39	12-22-2018	REVISIONS
40	12-22-2018	REVISIONS
41	12-22-2018	REVISIONS
42	12-22-2018	REVISIONS
43	12-22-2018	REVISIONS
44	12-22-2018	REVISIONS
45	12-22-2018	REVISIONS
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93	12-22-2018	REVISIONS
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96	12-22-2018	REVISIONS
97	12-22-2018	REVISIONS
98	12-22-2018	REVISIONS
99	12-22-2018	REVISIONS
100	12-22-2018	REVISIONS



PROPOSED IMPROVEMENTS

- All street right of way shall be 65 feet in width.
- Streets shall be 24 feet bituminous valley curb and 10 feet concrete curb.
- The condominium shall be serviced with private water and private drainfields.
- Open areas shall be included within the street ROW.
- There shall be a 10 foot private easement for public utility lines to all street right of way functions.
- Location shall conform with KCRS requirements.

LOT INFORMATION

NUMBER OF LOTS = 19
SMALLEST LOT AREA = 40,006 SF
AVERAGE LOT AREA = 43,870 SF

Lot Number	Area (SQ Feet)	Area (Acres)	Lot Number	Area (SQ Feet)	Area (Acres)
1	49,000	1.15	12	43,870	1.00
2	49,000	1.15	13	43,870	1.00
3	49,000	1.15	14	43,870	1.00
4	49,000	1.15	15	43,870	1.00
5	49,000	1.15	16	43,870	1.00
6	49,000	1.15	17	43,870	1.00
7	49,000	1.15	18	43,870	1.00
8	49,000	1.15	19	43,870	1.00
9	49,000	1.15	20	43,870	1.00
10	49,000	1.15	21	43,870	1.00
11	49,000	1.15	22	43,870	1.00

LEGAL DESCRIPTION
Part of the Southwest 1/4 of Section 27, T16N, R10W, Commencing 652.25 feet South 89°52'00" E 199.00 feet; thence S89°52'00" E 33.96 feet to the East line of the West 74.72 feet of the East 1/4 corner of the East 1/4 of Section 27, T16N, R10W, thence North along said East line 200.53 feet to the East 1/4 corner of the East 1/4 of Section 27, T16N, R10W, thence South along the West section line 1976.25 feet to the beginning; thence commencing at the West 1/4 corner; thence S89°52'00" E 199.00 feet to the East 1/4 corner of the East 1/4 of Section 27, T16N, R10W, thence S89°52'00" E 33.96 feet to the East line of the West 74.72 feet of the East 1/4 corner of the East 1/4 of Section 27, T16N, R10W, thence North along said East line 200.53 feet to the East 1/4 corner of the East 1/4 of Section 27, T16N, R10W, thence South along the West section line 1976.25 feet to the beginning.

ZONING REQUIREMENTS
R1 - SINGLE FAMILY RESIDENTIAL
(25% OPEN SPACE FRIED)
MINIMUM FRONT SETBACKS 100 FT.
MINIMUM REAR SETBACKS 35 FT.
MINIMUM SIDE SETBACKS 10 FT.
MINIMUM FRONT YARD 10' MIN., 25' COMBINED
MINIMUM REAR YARD 25 FT.

OPEN SPACE CALCULATION
OVERALL PARCEL AREA = 32.29 ACRES
MODERATE SLOPE AREA = 3.70 ACRES
STEEP SLOPE AREA = 1.05 ACRES
USABLE ACREAGE = 4.37 ACRES
MIN. OPEN AREA (25%) = 26.07 ACRES
ACTUAL OPEN AREA = 6.52 ACRES
STEEP SLOPES = NO CHERRY
MODERATE SLOPES (0.75 ACRES OR GREATER) = 0.37 ACRES
MILD SLOPE OR FLAT AREAS = 6.83 ACRES
TOTAL OPEN AREA = 7.29 ACRES
RIGHT OF WAY = 3.15 ACRES



June 19, 2019
Project No. 170168

Mr. Steve Peterson
Cascade Charter Township
2865 Thornhills Avenue, SE
Grand Rapids, MI 49546-7192

Re: Thornapple Point Estates
Site Plan Review

Dear Steve:

We have reviewed the site plan for Thornapple Point Estates, prepared by Feenstra & Associates, Inc., located on 48th Street just east of Highway M-6. The current site plan and basis of this review are dated April 16, 2019 and June 18, 2019. The proposed project is a 19-lot residential development with private road. The site is located in the Thornapple River watershed, sub-drainage district Maracaibo Shores.

Stormwater and Drainage

Flood Control

The Cascade Charter Township Storm Water Ordinance (SWO), Section 1.04, states the Ordinance shall apply to all development that requires any permit for work which will alter the stormwater drainage characteristics of the development site. The site is located partially in Stormwater Management Zone C and Zone A. Zone C does not require flood control detention, but there must be adequate conveyance capacity for the 100-year storm event to a nearby river or lake. This site does not have 100-year conveyance capacity to the Thornapple River. Therefore, Zone A requirements will apply.

Stormwater Management Zone A requires retention of the 100-year storm event and infiltration to the greatest extent possible. Where soil conditions or other factors do not allow for adequate infiltration, the SWO requires detention of the 25-year storm event with a controlled release and a direct connection for stormwater runoff for the 100-year storm event. The SWO also requires the first 0.5-inch of stormwater runoff be detained and released over a 24-hour period (Water Quality Control) and the 2-year storm event release rate be limited to 0.05 cfs/acre (Bank Erosion Control).

Two stormwater detention basins are proposed for the site. The applicant provided several soil borings throughout the site. At the locations of the detention basins, the groundwater elevation is relatively high, within 2- to 4-feet below the surface. The applicant stated due to the high groundwater, stormwater infiltration was not practicable. Stormwater infiltration facilities are generally designed a minimum 4-feet above known groundwater elevations to function properly. Therefore, the detention basins were designed for the 25-year storm event with a restricted release.

All stormwater runoff from the private road and developed portion of the site will be collected by a series of catch basins, swales, storm sewer pipe and conveyed to the two detention ponds. The detention basin outlet control structures are designed to store the 25-year runoff volume and release it at a rate of 0.13 cfs per acre. The proposed stormwater management design is in accordance with the SWO.

Water Quality Control and Bank Erosion Control

The SWO requires the first 0.5-inch of stormwater runoff be detained and infiltrated where conditions permit, or released over a 24-hour period, and the 2-year storm event release rate be limited to 0.05 cfs/acre. The detention basin outlet control structures are designed based on this requirement. The applicant provided stormwater calculations to support this. The proposed design is in accordance with the SWO.

Stormwater Runoff

The applicant provided stormwater calculations to size the detention basin. All stormwater runoff from the private road and developed portion of the site will discharge to the detention basins. Therefore, the site will not see an increase in rate of stormwater leaving the site.

Drainage Plan

The applicant has submitted drawings, calculations, and additional documentation as required in the SWO Section 2.03, Drainage Plan. Please refer to the attached checklist for items and comments on each item. Please note a maintenance agreement is required before construction begins. The agreement should be submitted to the Township for review. The maintenance agreement and plan should include at a minimum removal of accumulated sediment from catch basins, detention basins, and outlet structures as well as landscape maintenance of the detention basins.

Private Street Requirements

The proposed private street is required to meet the design standards outlined in the Township Ordinance for private streets. FTCH reviewed the proposed private road for right-of-way width, road and travel lane width, road grade, pavement cross section including aggregate base and subbase design, stormwater drainage, etc. The proposed private road was found to meet the requirements outlined in the Township Ordinance for private streets. The Kent County Road Commission has issued a permit for the new driveway.

Utilities

The residential lots will have onsite water wells and septic systems. A permit from the Kent County Health Department will be required prior to construction of the houses taking place. Construction of the private road may take place without the health department permit.

Soil Erosion and Sedimentation Control

Soil Erosion and Sedimentation Control (SESC) measures are provided on the plan drawings. The applicant has included silt fence along the limits of disturbance, silt sacks in catch basins, and erosion control matting on disturbed slopes and the roadside ditch. SESC falls under the review and approval of the Kent County Road Commission and a permit is required before construction can begin. The SESC measures indicated on the drawings appear appropriate given the expected work.

Mr. Steve Peterson
Page 3
June 19, 2019



Summary

The proposed stormwater management design meets the Township SWO requirements for new developments. The applicant will need to apply for and obtain an SESC permit prior to road construction. A permit from the Kent County Health Department will also be required for the onsite water wells and septic systems prior to house construction. We recommend approval of the site plan from an engineering standpoint. If you have any questions or require additional information, please contact me at 616.464.3786 or nrtorrey@ftch.com.

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.

A handwritten signature in black ink, appearing to read 'N. Torrey', is positioned above the name of the signatory.

Nathan R. Torrey, PE

jlk

Attachment

By email

cc: Michael L. Berrevoets, PE – FTCH

Cascade Charter Township

Storm Water Ordinance, Ordinance 7 of 2002, as amended by Ordinance No. 2 of 2008, 5/14/2008

Reviewing Engineer Comments are Italicized

OK – Received and Acceptable

NA – Not Applicable

NR – Not Received, Needs Follow-up, See Comments

Thornapple Point Estates

Drainage Plan Checklist

- OK (1) Location of the development site and water bodies that will receive storm water runoff
All stormwater runoff from the site is collected in two onsite detention basins. The detention basins discharge to an existing wetland area
- OK (2) Existing and proposed topography of the development site, including the alignment and boundary of the natural drainage courses, with contours having a maximum interval of one foot (using USGS datum). The information shall be superimposed on the pertinent Kent County soil map
Existing and proposed contours have been provided.
- OK (3) Development tributary area to each point of discharge from the development
Stormwater calculations and tributary areas were provided by the applicant.
- OK (4) Calculations for the final peak discharge rates
The applicant provided calculations for design of the onsite storm sewer system, detention basins and outlet control structures.
- OK (5) Calculations for any facility or structure size and configuration
Stormwater runoff calculations were provided by the applicant.
- OK (6) Drawing showing all proposed storm water runoff facilities with existing and final grades
The applicant provided a utility plan showing all proposed stormwater runoff facilities.
- OK (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
The drainage map did not indicate any major offsite drainage routes flowing into the site.
- OK (8) An implementation plan for construction and inspection of all storm water runoff facilities necessary to the overall drainage 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 drainage plan
A construction schedule was included on the plans.
- OK (9) Plan to ensure the effective control of construction site storm water runoff and sediment track-out onto roadways
The SESC measures shown on the plan appear appropriate given the expected work. SESC falls under the review and approval of the KCRC and a permit is needed before construction can begin.



- OK (10) Drawings, profiles, and specifications for the construction of the storm water runoff facilities reasonably necessary to ensure that storm water runoff will be drained, stored, or otherwise controlled in accordance with this ordinance
The applicant provided calculations and design details for construction of the onsite storm sewer system and detention basins.
- NR (11) Maintenance agreement, in form and substance acceptable to the Township, 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 drainage plan, the agreement shall authorize the Township to maintain any on-site storm water runoff facility as reasonably necessary, at the developer's expense
Maintenance agreement was not provided and is required.
- OK (12) Name of the engineering firm and the registered professional engineer that designed the drainage plan and that will inspect final construction of the storm water runoff facilities
- NA (13) All design information must be compatible for conversion to Grand Valley Regional Geographic Information System (REGIS)
This is a privately owned system and will not be uploaded to REGIS.
- OK (14) Other information necessary for the Township to verify that the drainage plan complies with the Township's design and performance standards for drains and storm water management systems

KENT COUNTY HEALTH DEPARTMENT



ENVIRONMENTAL HEALTH
700 Fuller Avenue N.E.
Grand Rapids, Michigan 49503-1918
Phone: 616-632-6900
Fax: 616-632-6892
Email: KCEHmail@kentcountymi.gov
Website: www.accesskent.com

Adam London, RS, MPA
Administrative Health Officer

August 28, 2019

Norm Buffum
Buffum Builders
144 44th St SW
Grand Rapids, MI 49548

RE: Proposed Thornapple Pointe Subdivision, Units 1-19
Single Family Residential
Cascade Township

Dear Mr. Buffum:

The Environmental Health Division of the Kent County Health Department (KCHD) has completed its review of the latest submittal for the Proposed Thornapple Pointe Subdivision (August 26, 2019). This review was conducted in accordance with Michigan Land Division Act PA 288 of 1967 Section 560.105.

Prior to issuing a final approval, we request the following statements be incorporated into the Thornapple Point Restrictive Covenant.

WASTEWATER DISPOSAL SYSTEMS

- The Kent County Health Department (KCHD) may require site evaluations prior to issuing septic system permits when the proposed initial and/or replacement wastewater disposal system is outside of those areas already approved and on file with KCHD. KCHD will require site evaluations on Units 7-12 prior to issuing building permits.
- Due to small lot sizes, slopes, and slowly permeable soils, this Department cannot guarantee that all individual site development plans will be approved.
- With the application to obtain a permit from KCHD for a septic tank and disposal areas, the applicant will submit to KCHD a lot development plan drawn to scale that will locate the dwelling, drives and right-of-ways, utilities, unit boundary lines, building site and proposed septic location. As part of the application, KCHD may require a topographical map showing existing and proposed contours. Contour intervals shall not exceed two (2) feet.
- Utilities, buildings, drives, or other structures that may interfere with the installation and operation of the on-site sewage disposal system shall not be permitted within the designated initial and replacement sewage disposal areas as indicated on the permit issued by KCHD.
- Site modification in the area of the initial and replacement wastewater disposal systems may be required by KCHD. Site modification would typically include soil removal and backfill with approved washed sand (2NS) or low pressure dosed mound type systems.
- Wastewater from water treatment backwash, geothermal heat pumps, groundwater, and stormwater must not be discharged into the building sewer or any component of the septic system.
- Designated initial and replacement sewage disposal areas shall not be located within any floodplain or drainage way and must be isolated a minimum of 100 feet from surface water or detention basin designed to permanently hold water, 50 feet from any water well, 25 feet from any stormwater detention basins, 25 feet from foundation walls containing subsurface drains, 25 feet from storm sewer catch basins, 10 feet from drainage easements, 10 feet from solid storm sewer, 10 feet from water treatment backwash area, and 10 feet from unit boundaries.

WATER SYSTEMS

- Due to high levels of secondary contaminants, the Developer has offered a well warranty. See attached Water Well Advisory and Limited Well Warranty. Water wells must be completed, sampled, and reviewed with the purchaser prior to issuing a building permit.
- Individual water supply systems will be permitted on a unit solely to provide water for domestic consumption at the residence, for irrigation purposes, swimming pools, or other domestic uses on the unit. Geothermal systems utilizing vertical loops or groundwater withdrawal must be installed under permit from KCHD.
- A permit from KCHD is required prior to the installation or major repair of any on-site water supply. As part of the application, KCHD may require a site plan of the property upon which the water supply is or will be located. Required features may include property boundaries, elevations, buildings, sewage disposal system, surface water bodies, wells, underground fuel storage tanks, chemical storage areas, driveways, and other significant details.
- All wells installed for private water supply must penetrate an adequate protective continuous clay overburden of at least 10 feet. This overburden is to be located greater than 25 feet below the ground surface. Test wells on Unit 11 and 16, drilled to a depth of 190 feet found a suitable clay barrier.
- All wells are to be grouted in accordance with the Michigan Department of Environmental Quality water well grouting requirements.
- Except as otherwise approved by KCHD, all wells must be located on the unit being served and must be 10 feet from property boundaries, buried sewers, easements, and building drains, 50 feet from any component of a septic system, and 50 feet from the water treatment backwash discharge area.
- It will be the responsibility of the co-owner to install and maintain the water supply system in good order and working condition and comply with all applicable governmental regulations and neither the developer nor the association will have any responsibility with respect to the same.
- Due to very high levels of chlorides, hardness, iron, sulfates, and sodium water treatment systems may be necessary. Discharge of said water treatment system backwash cannot be directed into the building sewer, septic tanks, or wastewater disposal areas. The owner of each unit shall make provisions for a separate drainage system to properly dispose of water treatment system backwash.

KCHD requests that this portion (well/septic language) of the document not be recorded until approved and stamped by this office. Upon receipt of the approved, recorded document (well/septic language), final Health Department approval can be granted. If you have any questions, please contact me at 616-204-2375.

Sincerely,



Jason E. Buck, REHS
Sanitarian Specialist
Environmental Health Division

cc: Steve Peterson, Cascade Township Community Development
David Hanko, Feenstra and Associates, Inc.
Dale Ladouceur, MDEQ

Steve

From: Buck,Jason <jason.buck@kentcountymi.gov>
Sent: Wednesday, August 28, 2019 2:41 PM
To: 'Dave Hanko'
Cc: Steve
Subject: RE: Thornapple Point
Attachments: Thornapple Pointe (well warranty).pdf

↙ Dave,

The preliminary approval letter references the attached document. Note, unit 20 has been eliminated. I have confirmed that North Kent Well Drilling has plugged the casing.

Jason

From: Dave Hanko [mailto:dave@feenstrainc.com]
Sent: Tuesday, August 27, 2019 1:23 PM
To: Buck,Jason <jason.buck@kentcountymi.gov>
Subject: RE: Thornapple Point

Jason,
Attached are the revised site plans for your review.

Dave

From: Buck,Jason [mailto:jason.buck@kentcountymi.gov]
Sent: Monday, August 26, 2019 4:14 PM
To: Dave Hanko
Cc: 'Steve'
Subject: RE: Thornapple Point

Dave,

Can you send me the latest site plans? I want to make sure nothing has changed since the letter was issued in 2016.

Thank you,

Jason E. Buck, REHS
Environmental Health Sanitarian Specialist
Kent County Health Department
700 Fuller Ave NE
Grand Rapids, MI 49503
Cell: 616-204-2375
Main: 616-632-6900
Fax: 616-632-6892

www.accesskent.com/health

“To serve, protect, and promote a healthy community for all.”

COMMON ELEMENTS

The Common Elements of the Project as depicted in Exhibit B, and the respective responsibilities for maintenance, repair and replacement thereof are as follows:

A. The General Common Elements are:

(1) The land described in Article II of this Master Deed not otherwise designated as Units or Limited Common Elements, including easement interests of the Condominium in the land provided to it for ingress and egress, storm water drainage or other purposes;

(2) The private roadways, walkways, street lights, lawns, trees, shrubs and other plantings located on the common areas of the Project, if any, other than those located on Limited Common Elements; the storm drainage and/or water retention system throughout the common areas of the Project.

(3) Any recreational facilities or other amenities or interests therein which may be constructed on the land described in Article II;

(4) All other Common Elements of the Project not designated in this Master Deed as Limited Common Elements, which are not enclosed within the boundaries of a Condominium Unit, and which are intended for common use or are necessary to the existence, upkeep or safety of the Project;

Some or all of the utility and/or cable television lines (if any), systems (including mains and service leads) and equipment may be owned by the local public authority or by a utility or cable television company that is providing the pertinent service. Accordingly, such utility and or cable television lines, systems and equipment shall be General Common Elements only to the extent of the Co-owners' interest therein, if any, and Developer makes no warranty whatsoever with respect to the nature or extent of such interest.

B. The Limited Common Elements are:

(1) The pipes, ducts, wiring and conduits supplying electricity, gas, sewer, water, telephone, television and/or other utility service to or from a Unit, up to the point of lateral connection with a General Common Element of the Project or public or private utility line;

(2) The land located within Unit boundaries, from and below the Unit, as shown on the Subdivision Plan attached as Exhibit B; and

(3) The driveway between the Unit and the roadway, as the same may be designated in any future amendment to the Master Deed; provided, however, nothing in this provision shall prevent Developer from dedicating the road right of way to Kent County or other otherwise convert the right of way to a public street; and

(4) Any other improvement designated as a limited common element appurtenant to a particular unit or units in the subdivision plan or in any future amendment to the master deed made by the Developer or the Association.

C. Responsibility for the installation, cleaning, decoration, maintenance, repair and replacement of the Common Elements will be as follows:

(1) The cost of maintenance, repair and replacement of the Limited Common Elements shall be the responsibility of the Co-owner of the Unit or Units to which such Limited Common Elements are appurtenant.

(2) Unit owners shall also be responsible for the maintenance, repair and replacement of all structures, improvements, and landscaping erected, placed or located within the Unit and any appurtenant Limited Common Element, including any portions thereof which may extend beyond Unit boundaries; provided, that the exterior appearance of all structures and yard areas, to the extent visible from any other Unit or General Common Element, shall be subject at all times to the approval of the Association and to such reasonable aesthetic and maintenance standards as may be prescribed by the Association in duly adopted rules and regulations. Notwithstanding any other provision of the Master Deed or the Bylaws, the Developer and/or the Association, as the case may be, shall be obligated to maintain the private roads, including proper snow removal, which directly service the Units benefited by the private roads upon which dwellings are constructed so that such roads shall be readily accessible to emergency vehicles. The cost of the Association in fulfilling its obligations under this paragraph shall be assessed to the Unit owner(s) benefited by the Limited Common Element for which the amounts were expended. Unit owners shall be responsible for maintaining the lawn between the unit boundaries and the paved road surface.

(3) The cost of cleaning, decoration, maintenance, repair and replacement of all Common Elements other than as described above shall be borne by the Association, except to the extent of repair or replacement due to the act or neglect of a Co-owner or his agent, invitee, family member or pet. The Association shall be obligated to maintain all roads, including proper snow removal and cleaning of dirt and debris, which directly service all Units so that such roads shall be readily accessible to emergency vehicles. The Association shall be obligated to maintain in functioning condition all facilities for storm water management.

(4) While it is intended that each Co-owner will be solely responsible for the performance and cost of the maintenance, repair and replacement of the residence and all other appurtenances and improvements constructed or otherwise located within a Unit, it is nevertheless a matter of concern that a Co-owner may fail to properly maintain the exterior of his residence or any Limited Common Element appurtenant thereto in a proper manner and in accordance with the standards set forth by the Association.

In the event a Co-owner fails, as required by this Master Deed, the Condominium By-laws or any rules or regulations promulgated by the Association, to properly and adequately decorate, repair, replace or otherwise maintain his Unit or any improvement or appurtenance located therein or any

Limited Common Element appurtenant thereto, the Association (and/or the Developer during the Development and Sale Period), shall have the right, but not the obligation, to undertake such regularly recurring, reasonably uniform, periodic exterior maintenance functions with respect to residences or other improvements constructed or installed within any Unit boundary as it may deem appropriate (including without limitation painting or other decoration, lawn mowing, snow removal and tree trimming).

Failure of the Association (or the Developer) to take any such action shall not be deemed a waiver of the Association's (or Developer's) right to take any such action at a future time. All costs incurred by the Association or the Developer in performing any responsibilities which are required in the first instance to be borne by a Co-owner shall be charged to the affected Co-owner or Co-owners on a reasonably uniform basis and collected in accordance with the assessment procedures established by the Condominium By-laws. The lien for nonpayment shall attach to any such charges as in all cases of regular assessments and may be enforced by the use of all means available to the Association under the Condominium Documents and by law for the collection of regular assessments, including without limitation, legal action, foreclosure of the lien securing payment and the imposition of fines.

D. Each Co-owner will be entirely responsible for arranging for and paying all costs in connection with extension of telephone, electric, gas, sewer, water, and other utility lines by laterals from the mains (if any) to any structures and fixtures located within the Units and their respective Limited Common Elements.

E. Except as set forth herein, Condominium Units shall not be separable from the Common Elements appurtenant thereto, and shall not be used in any manner inconsistent with the purposes of the Project or in any other way which will interfere with or impair the rights of any other Co-owner in the use and enjoyment of his Unit or the Common Elements appurtenant thereto.

F. The private streets or roads shall comply at all times with the Cascade Charter Township street ordinance and all snow plowing requirements thereof. The private streets within the Project are not owned, controlled, or under the direct jurisdiction of the Kent County Road Commission or any other government unit; and, as such, they must be maintained and repaired by the Association or the Co-owners. No public funds of the Township of Cascade are to be used to build, repair, or maintain the private roadway.

G. No Co-owner shall prohibit, or unreasonably limit normal ingress and egress and use by any of the other co-owners. Normal ingress and egress and use shall include use by family, guests, invitees, tradesmen, and others bound to or returning from any Unit or Common Element. This provision shall not be interpreted as prohibiting the use of security gates provided that emergency vehicles and public utility officials are afforded appropriate ability to gain access.

VICINITY OF FARM LAND

The condominium premises may be located within the vicinity of farm land or a farm operation. Generally accepted agricultural and management practices which generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act.

COMPLIANCE WITH TOWNSHIP ORDINANCES AND REQUIREMENTS

All land within the Project is subject to the Cascade Charter Township Zoning Ordinance (including, without limitation, the PUD recorded in Document Number 20171101-0092285, attached hereto as Exhibit C) and any and all other applicable Cascade Charter Township ordinances.

THE GERALD R. FORD INTERNATIONAL AIRPORT

The Developer hereby expressly discloses that the Project is located in the vicinity of the Gerald R. Ford International Airport and that there may be noise, vibration, and property valuation impacts associated with such location.

PUBLIC HEALTH REQUIREMENTS

All residential dwellings shall be served by an appropriate potable water supply system constructed in accordance with the Groundwater Quality Control provisions of the Michigan Public Health Code, Public Act 368 of 1978, as amended, and, in particular, with Part 127 thereof. All residential dwellings shall be served by an adequate sewage disposal system.

At some time subsequent to the initial development, it may become necessary to construct a community water supply and/or sewage disposal system. Rooms shall be reserved next to and adjacent to the original system to provide for future replacement. The construction of such public systems, or either of them, may be financed, in whole or in part, by the creation of a special assessment district or districts which may include all units in the Condominium. The acceptance of a conveyance or the execution of a land contract by any Owner or purchaser shall constitute the agreement by such Owner or purchaser, his heirs, executors, administrators and assigns, that such Owner or purchaser will execute any petition circulated for the purpose of creating such special assessment district. The Board of Directors of the Association shall be vested with full power and authority to obligate all co-owners to participate in a special assessment district or districts and to consider and act upon all other community water and sewer issues on behalf of the Association and all co-owners. Further, each Owner will pay such special assessments as may be levied against his unit by any such special assessment district and shall take the necessary steps as required by the appropriate state, county and township agencies and by the Association, acting through its Board of Directors, to connect, at his own expense, his water

intake and sewage discharge facilities to such community water supply system and/or community sewage disposal system within ninety (90) days following the completion of said system or systems.

The following Water Systems and Sewage Disposal Systems provisions are required by the Kent County Health Department ("KCHD").

WASTEWATER DISPOSAL SYSTEMS

The Kent County Health Department (KCHD) may require site evaluations prior to Issuing septic system permits when the proposed initial and/or replacement wastewater disposal system is outside of those areas already approved and on file with KCHD. KCHD will require site evaluations on Units 7-12 prior to issuing building permits.

Due to small lot sizes, slopes, and slowly permeable soils, this Department cannot guarantee that all individual site development plans will be approved.

With the application to obtain a permit from KCHD for a septic tank and disposal areas, the applicant will submit to KCHD a lot development plan drawn to scale that will locate the dwelling, drives and right-of-ways, utilities, unit boundary lines, building site and proposed septic location. As part of the application, KCHD may require a topographical map showing existing and proposed contours. Contour intervals shall not exceed two (2) feet.

Utilities, buildings, drives, or other structures that may interfere with the installation and operation of the on-site sewage disposal system shall not be permitted within the designated initial and replacement sewage disposal areas as indicated on the permit issued by KCHD.

Site modification In the area of the Initial and replacement wastewater disposal systems may be required by KCHD. Site modification would typically include soil removal and backfill with approved washed sand (2NS) or low pressure dosed mound type systems.

Wastewater from water treatment backwash, geothermal heat pumps, groundwater, and stormwater must not be discharged into the building sewer or any component of the septic system.

Designated initial and replacement sewage disposal areas shall not be located within any floodplain or drainage way and must be isolated a minimum of 100 feet from surface water or detention basin designed to permanently hold water, 50 feet from any water well, 25 feet from any stormwater detention basins, 25 feet from foundation walls containing subsurface drains, 25 feet from storm sewer catch basins, 10 feet from drainage easements, 10 feet from solid storm sewer, 10 feet from water treatment backwash area, and 10 feet from unit boundaries.

WATER SYSTEMS

Due to high levels of secondary contaminants, the Developer has offered a well warranty. See attached Water Well Advisory and Limited Well Warranty. Water wells must be completed, sampled, and reviewed with the purchaser prior to issuing a building permit.

Individual water supply systems will be permitted on a unit solely to provide water for domestic consumption at the residence, for irrigation purposes, swimming pools, or other domestic uses on the unit. Geothermal systems utilizing vertical loops or groundwater withdrawal must be installed under permit from KCHD.

A permit from KCHD is required prior to the installation or major repair of any on-site water supply. As part of the application, KCHD may require a site plan of the property upon which the water supply is or will be located. Required features may include property boundaries, elevations, buildings, sewage disposal system, surface water bodies, wells, underground fuel storage tanks, chemical storage areas, driveways, and other significant details.

All wells installed for private water supply must penetrate an adequate protective continuous clay overburden of at least 10 feet. This overburden is to be located greater than 25 feet below the ground surface. Test wells on Unit 11 and 16, drilled to a depth of 190 feet found a suitable clay barrier.

All wells are to be grouted in accordance with the Michigan Department of Environmental Quality water well grouting requirements,

Except as otherwise approved by KCHD, all wells must be located on the unit being served and must be 10 feet from property boundaries, buried sewers, easements, and building drains, 50 feet from any component of a septic system, and 50 feet from the water treatment backwash discharge area.

It will be the responsibility of the co-owner to install and maintain the water supply system in good order and working condition and comply with all applicable governmental regulations and neither the developer nor the association will have any responsibility with respect to the same.

Due to very high levels of chlorides, hardness, iron, sulfates, and sodium water treatment systems may be necessary. Discharge of said water treatment system backwash cannot be directed into the building sewer, septic tanks, or wastewater disposal areas. The owner of each unit shall make provisions for a separate drainage system to properly dispose of water treatment system backwash.

WELL ADVISORY AND LIMITED WELL WARRANTY

WHEREAS, the water supply for each lot in the THORNAPPLE POINTE SUBDIVISION is to be provided by individual wells: and

WHEREAS, test wells on Units 11, 12, and 20 indicate that water quality and quantity is highly variable and may have objectionable water quality. The developers of THORNAPPLE POINTE SUBDIVISION wish to give purchasers limited assurance that water of sufficient quantity and acceptable quality will be available to each unit prior to site development;

NOW THEREFORE, the developers of THORNAPPLE POINTE SUBDIVISION in consideration of the initial purchase of a condominium unit advises to the Purchaser and that Purchaser alone, and not his heirs and assignees, as follows:

1. **WATER QUALITY.** Analysis of water samples collected from test wells on the subdivision property has revealed elevated levels of arsenic, hardness, sodium, iron and sulfates. Elevated levels of hardness, chlorides, iron, sodium and sulfate are not regulated as public health advisories, but represent aesthetic concerns to the user.

Samples from the test well on unit 20 found arsenic above the maximum contaminate level of .012 mg/L. This aquifer does not appear to be suitable for domestic use, as yields were less than three gallons per minute.

Samples from the test wells on Units 11 and 16 found elevated levels of unregulated secondary contaminants as follows; chlorides at 1810 mg/L, whereas a level below 250 mg/L is considered satisfactory, iron at 4.13 mg/L, whereas a level up to 0.3mg/L is considered satisfactory, sulfate at 606 mg/L, whereas a level up to 250 mg/L is considered satisfactory, and sodium at 1040 mg/L, whereas 250 mg/L is considered satisfactory.

Without treatment, high hardness and iron may result in the build-up of scale deposits in water heaters, piping, and plumbing fixtures. Without treatment, high iron levels may result in the staining of plumbing fixtures and laundry and produce taste and odor problems. Purchasers may wish to consider installation and utilizing whole house water treatment systems to reduce the levels of hardness and iron. Cost of such treatment is to be born solely by the purchaser.

Elevated levels of sulfate are of a concern both from an aesthetic and public health standpoint depending upon concentration. The current national secondary maximum contaminant level for sulfates is established at 250 mg/L. This represents the desired maximum level to prevent the bulk of aesthetic effects. Detectable tastes become apparent above 300 mg/L. A bitter taste, laxative effect and accelerated corrosion of plumbing can be expected above 500 mg/L. Purchasers may wish to consider additional treatment for the consumable portion of the water supply to reduce sulfate levels. Cost for such treatment is to be born solely by the purchaser.

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2. **WATER QUANTITY.** For normal household usage, the water system must be supplied by a well capable of delivering a minimum of ten (10) gallons per minute.
3. **LIMITED WARRANTY.** Purchasers of units within THORNAPPLE POINTE SUBDIVISION hereby are notified that no construction permits will be issued for any unit until such time as:
 - a. A well has been completed on the condominium unit which produces a minimum of ten (10) gallons per minute as shown by the results of a capacity test of said water well conducted for a minimum duration of four hours; and
 - b. Said well has been sampled and water quality results for arsenic, bacteria, and partial chemistry have been submitted to the Kent County Health Department for review. Results of the water analysis will be presented and discussed with the purchaser.

Dave Hanko

From: Keen, Kerwin (MDOT) <KeenK2@michigan.gov>
Sent: Thursday, January 10, 2019 9:53 AM
To: Dave Hanko
Cc: MDOT-DesignPlatCondo
Subject: Thornapple Pointe Estates, section 27 T6N R10W

Dave,

The Grand Rapids Transportation Service Center has reviewed the plat plans provided and has no concerns with the proposed design.

Sincerely,

Kerwin Keen, P.E.
Permits Engineer
Michigan Department of Transportation
Grand Rapids TSC
2660 Leonard St. NE
Grand Rapids MI 49525
616-464-1814
keenk2@michigan.gov

From: Dave Hanko <dave@feenstrainc.com>
Sent: Friday, January 04, 2019 8:42 AM
To: Keen, Kerwin (MDOT) <KeenK2@michigan.gov>
Cc: MDOT-DesignPlatCondo <MDOT-DesignPlatCondo@michigan.gov>
Subject: RE: Thornapple Pointe Estates

Good morning Kerwin,

Attached are the revised preliminary plans for a proposed Site Condominium in Cascade Township. Your approval is requested.

Dave

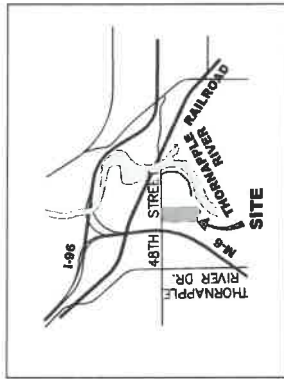
From: MDOT-DesignPlatCondo [<mailto:MDOT-DesignPlatCondo@michigan.gov>]
Sent: Wednesday, January 02, 2019 8:20 AM
To: Dave Hanko
Cc: Keen, Kerwin (MDOT)
Subject: RE: Thornapple Pointe Estates

Hello Dave,

My apologies for the confusion also. This project started as a plat in 2016. After re-reading your letter to me date December 24, 2018 I see the description is now for a **preliminary site condominium** of Thornapple Pointe Estates. After plan revisions are made please forward to Kerwin Keen, MDOT Permits Engineer at the Grand Rapids TSC, Grand Region for his review. Email: KeenK2@michigan.gov

Please CC me on this also for my information and records. Thank you.

EXHIBIT "A" THORNAPPLE POINTE ESTATES BLOCK GRADING PLAN SHEET 1 OF 2

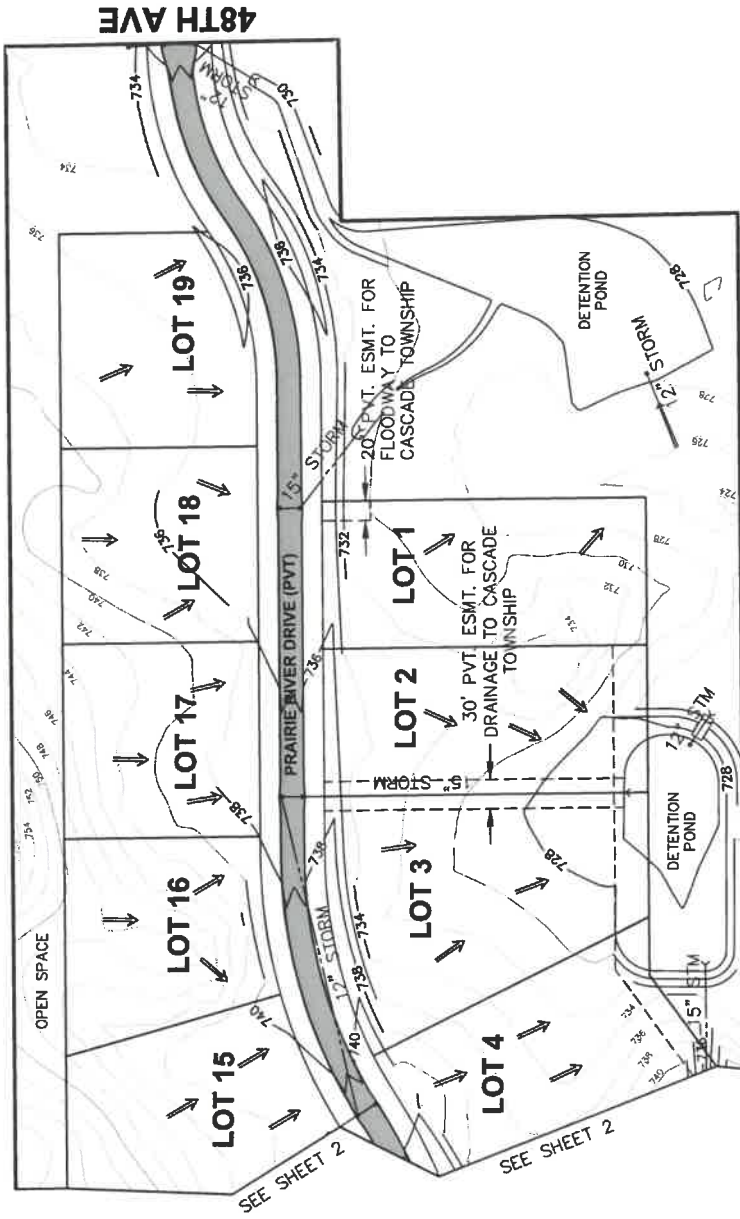


LOCATION MAP

NOT TO SCALE

MINIMUM BUILDING OPENINGS

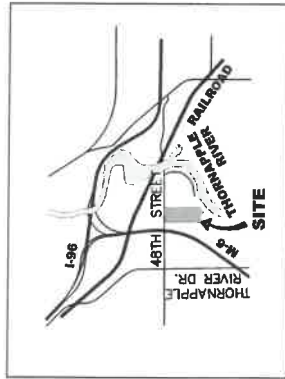
LOT #	ELEV.
1	730.0
2	730.0
3	730.0
4	737.0
19	737.0



→ DIRECTION OF
YARD SLOPE

Scale 1" = 150'

EXHIBIT "A" THORNAPPLE POINTE ESTATES BLOCK GRADING PLAN SHEET 2 OF 2



LOCATION MAP

NOT TO SCALE

MINIMUM BUILDING OPENINGS

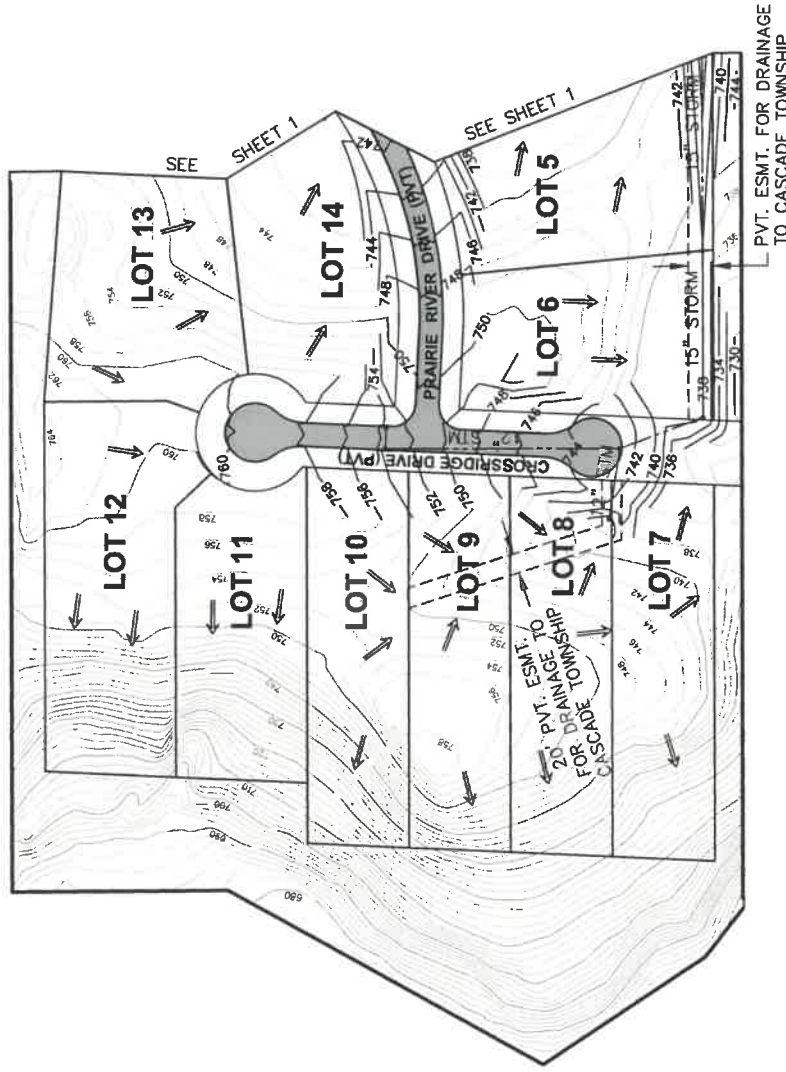
LOT #	ELEV.
5	739.0
7	741.0
8	745.0
9	751.0
14	742.5



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DIRECTION OF
YARD SLOPE



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AND
LIMITED WELL WARRANTY

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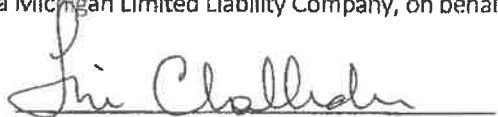
b. Said well has been sampled and water quality results for arsenic, bacteria, and partial chemistry have been submitted to the Kent County Health Department for review. Results of the water analysis will be presented and discussed with the purchaser.

BUFFUM BUILDERS, LLC

By: 
Norman Buffum, Owner

State of Michigan)
) ss.
County of Kent)

The foregoing instrument was acknowledged before me this 28th day of December, 2016 by Norman Buffum, Owner of Buffum Builders, LLC, a Michigan Limited Liability Company, on behalf of the limited liability company.



Notary Public, Ionia, County, MI

Acting in, Kent, County, MI

My commission expires: 12.29.2020



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

Date: September 25, 2019
To: Supervisor Beahan and Township Board Members
From: Ben Swayze, Township Manager
Subject: Contract with Aquatic Consulting Services for Gypsy Moth Population Survey

FACTS:

The Township has received the proposed agreement from Aquatic Consulting Services LLC to conduct gypsy moth egg mass surveys to determine areas that require aerial spraying in 2020. The Township has worked with Aquatic Consulting Services for the past 22 years to assist in our Gypsy Moth aerial spraying program. If approved, the survey would be conducted this fall, and the results of the survey would be utilized to determine spray block configuration for efficient aerial treatment of the high priority areas in the spring of 2020.

The Township last sprayed for gypsy moths in spring of 2019. During the spring 2019 the Township sprayed approximately 1,912 acres. This was a high volume of spraying for the Township, as the gypsy moth population in West Michigan has increased substantially in the past two years. The follow up survey in the fall indicated that the 2019 spraying program was a success. Neal Swanson, biologist for Aqua Consulting services indicated,

Overall, we saw good results from our efforts this spring. Even the most heavily infested areas saw little in regard to damaging defoliation. As you will see in the evaluation, most blocks saw some light defoliation, which is expected due to the fact that the caterpillars must be actively feeding for the spray to be effective. I did observe feeding cessation and caterpillar mortality in all spray areas, so further defoliation should be minimal. I specifically checked a few areas in spray block Cas11 and did find a few caterpillars that survived the spray. This isn't surprising considering how heavily infested that area was. With the reduction in caterpillars seen, the evidence of feeding cessation, and the presence of active environmental controls, I did not think a 2nd spray was warranted in the spray block.

In order to receive a discounted spray rate, in 2017 the Township Board agreed to a 3-year contract with the aerial spray provider, with a minimum spray volume of 500 acres per year. 2020 will be the final year of the 3-year contract.

Attached for your review are:

- Letter from Aquatic Consulting Resources LLC detailing the gypsy moth survey program
- Proposed agreement with Aquatic Consulting Services LLC for Gypsy Moth Population Surveys
- Gypsy Moth information brochure published by the MSU Extension
- Cascade Township 2019 Aerial Spray Map

- Cascade Township 2019 Post Spray Assessment

ANALYSIS & CONCLUSIONS:

The Township has participated in the gypsy moth spray program in conjunction with Aquatic Consulting Services LLC for going on 22 years. The Township has participated in the program because of the acknowledgement of the devastating effect the gypsy moth population could have on the canopy cover of the Township.

The partnership with Aquatic Consulting Resources has allowed us to efficiently allocate our financial resources to this program. The survey ensures that the aerial spray program effectively targets areas of infestation above the set thresholds, and on several occasions have saved us from unnecessarily spraying, as was the case most recently in 2013 and in 2010-11. However, a high volume of spray area is anticipated for the 2020 spray program, and the Township has committed to spraying a minimum of 500 acres.

FINANCIAL CONSIDERATIONS:

The proposed contract with Aquatic Consulting Services LLC is \$8,600, which is included in the FY2019 budget. The cost of the survey work is the same that it was in FY2018.

RECOMMENDED ACTION:

Approve the agreement with Aquatic Consulting Services LLC for Gypsy Moth Population Surveys for Aerial Spraying 2020.



Aquatic Consulting Services

P.O. Box 530, Sanford, MI 48657
www.aquaticremedies.com

989-689-0223

September 4, 2019

Mr. Ben Swayze, Manager
Cascade Charter Township
2865 Thornhills, S.E.
Grand Rapids, MI 49546

Dear Mr. Swayze:

Thank you for considering the continuation of your gypsy moth suppression program. Aquatic Consulting Services has been actively doing this work for 33 years throughout Michigan, and for the past 22 years in Cascade Charter Township.

I know the gypsy moth populations may appear to be depressed, but I must caution you that populations are still quite elevated in the West Michigan area. The gypsy moth remains a problem in Michigan because it reaches such high numbers so quickly. Small, remnant populations can multiply quickly and become a nuisance at the least, and cause tree mortality at worst. This is referred to as a bimodal life history; with populations existing at either very low or very high numbers. Our job is to find the very short period of transition between these two extremes and intervene so the low populations do not become nuisance populations.

We accomplish this task by surveying the entire Township where suitable habitat exists, noting the gypsy moth populations, their health, degree of parasitism, egg viability, egg mass size, and other factors that influence the coming year's population. This information is analyzed with the threshold model developed in Michigan so we know when intervention is appropriate. By aerielly spraying the selected areas, the population is kept in check indefinitely using only a minimum of spray. It is likely that the majority of your residents will never know the devastation of a gypsy moth outbreak as long as we maintain a proactive attitude toward monitoring and control.

I have attached an Agreement for the 2020 insect season for your consideration. If you find it acceptable, please return a signed copy to me and we will schedule the work. Mid-October is the best time to start and we usually finish by the end of the year. I will send a final report to you once surveying is complete.

Sincerely,

Neal Swanson, Owner/Biologist

Enclosure



Aquatic Consulting Services

P.O. Box 530, Sanford, MI 48657
www.aquaticremedies.com

989-689-0223

AGREEMENT Gypsy Moth Population Surveys for Aerial Spraying 2020 Cascade Charter Township

Aquatic Consulting Services LLC, PO Box 530, Sanford, MI 48657 agrees to provide certain work, analysis, and/or reports as described below:

1. Conduct gypsy moth egg mass surveys to determine areas that require aerial spraying in 2020 to prevent nuisance levels of gypsy moth larvae. The area to be surveyed includes the entire Township of Cascade except for the open area surrounding the airport, unless suitable tree cover is present to support a sustained gypsy moth population. The surveys will be completed during the autumn when conditions are favorable for this procedure and following approval and receipt of a final agreement.
2. Determine spray block configuration for efficient aerial treatment of the high priority areas and map the blocks using a computer based mapping system.
3. Maintain the egg mass count data and spray block records to include the 2020 data so the gypsy moth population can be tracked over time.
4. Analyze the egg mass survey data according to the method known as the "Kroll Threshold Model" to determine the risk of nuisance levels of larvae in each potential spray block.
5. Recommend areas to be treated by aerial spraying of *B. thuringiensis* (B.t.) to alleviate nuisance levels of gypsy moth larvae and to deter population buildup.
6. Provide paper and electronic maps of the areas recommended for treatment to both the Township and to the Aerial Contractor.
7. Provide the digitized spray blocks on computer media to the pilot for the AgNav cockpit GPS guidance system. Objectors to the spray, if any, will be excluded from the spray block providing the objector information is received by Aquatic Consulting Services from the Township by April 30, 2020.
8. The egg mass survey field work will be accomplished by January 31, 2020. The analysis, the recommended spray blocks, and the accompanying maps will be completed by February 28, 2020.

As Client, Cascade Charter Township, 2865 Thornhills, S.E., Grand Rapids, MI 49546, agrees to compensate Aquatic Consulting Services for the above described services as follows:

A total of \$8,600.00 upon completion of the survey and receipt of proper invoice.

Also, the Township agrees to furnish any existing maps, either paper or in electronic format, that may be of use in assisting the described work.

Client: _____ Date: _____
Ben Swayze, Township Manager

Aquatic Consulting Services LLC: _____ Date: _____
Neal Swanson, Owner

Terms:

Gypsy Moth in Michigan

Michigan State University Extension & Michigan State University Department of Entomology
& the Michigan Department of Agriculture

The following information was taken from the
Gypsy Moth in Michigan Homeowner's Guide

**MICHIGAN STATE
UNIVERSITY
EXTENSION**



WASHTENAW COUNTY

**Michigan State University
Extension**

705 N. Zeeb Road
P.O. Box 8645
Ann Arbor, Michigan
48107-8645

734/997-1MSU
Fax: 734/222-3990

msuextension@ewashtenaw.org
<http://extension.ewashtenaw.org>



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Gypsy Moth Management Starts At Home

You are the first line of defense for protecting your trees and shrubs from damage by gypsy moth, other insects, nematodes and diseases. Being knowledgeable about the life cycle of the gypsy moth will pay off in money saved, labor expended and peace of mind.

Depending upon where you live in Michigan, gypsy moth outbreaks may last from two to several years or may never occur. Why gypsy moth populations explode from time to time is not entirely clear. Outbreaks will eventually collapse, usually from natural causes.

Until a local gypsy moth population crashes, however, there are several techniques that homeowners can employ to keep damage and nuisance to an affordable minimum.

Monitoring

Hopefully, the mind set of dragging the sprayer out of the garage and spraying insecticide on trees and shrubs just because something might be out there lurking is no longer a part of the Michigan mentality. Years ago this was called "insurance spraying" when everybody was spraying chlorinated hydrocarbon insecticides (e.g., DDT) on everything that moved. We all know where that got us!

Take time to inspect your trees and shrubs periodically for the various life forms of gypsy moth. Especially look for the caterpillars when they begin to hatch, usually in early May.

Contrary to popular belief, population explosions in a locality do not happen suddenly! An area will undergo a gradual population buildup for a time before the population goes into a phase of rapid release. This gives vigilant homeowners, neighborhoods and communities time to assess local conditions and take appropriate action.

The gypsy moth is in the egg mass form for nearly nine months, plenty of time to find and destroy them before they hatch in the spring. While it may not be possible to find and destroy all of the egg masses in and around your backyard, this activity will complement management activity taken in the spring.

Management Non-Pesticide Techniques:

Water and Fertilize

We often take trees and shrubs for granted, figuring that they are indestructible and meant to last forever. Trees and shrubs have specific nutrient and water requirements. Take the time to determine what they need, and water and fertilize properly. There are bulletins available at all county extension offices and garden centers. Most insects and diseases select trees and shrubs that are being stressed. Keeping your trees and shrubs healthy will reduce the pests and diseases attracted to your foliage and lessen the damage done if they are attacked.

Sanitation

Keep your yard as clean as possible. Remove discarded items, dead branches (from the ground and out of the trees), stumps, etc., where the adult female moth is likely to lay egg masses. It is very important that homeowners be watchful when obtaining firewood from areas infested by the gypsy moth. A good rule of thumb is to never get more firewood in the summer or fall than you can burn by spring.

Each fall, check recreation vehicles (boats, trailers, campers, etc.) for gypsy moth egg masses. Vehicular movement is how gypsy moth came to Michigan.

Destroy Egg Masses

As mentioned, gypsy moth egg masses are around for nearly nine months before they hatch. Homeowners can help reduce gypsy moth population on their property and in their neighborhood by seeking out and destroying egg masses each year.

When a gypsy moth caterpillar is about to pupate, it will look for a protected area such as a loose flap of bark, something flat nailed to a tree, woodpile of the underside of branches, etc. Once a suitable location is found, it weaves a loose net of silk around itself and

transforms into a pupa. This is the resting state where the caterpillar undergoes the miracle transformation from caterpillar to moth. This takes about two weeks.

Upon emergence, the female gypsy moth is creamy white and has a wingspan of about two inches. The male moth is smaller in size and camouflage brown with black mottling. Both have a distinguishing mark on their forewings: an inverted black V often referred to as a chevron marking.

The female generally deposits egg masses from early July to mid-August depending upon local weather conditions. The female cannot fly, so she will lay egg masses near where she was in the pupal (cocoon) stage.

The adult female lives about a week. Her only purpose in life is to breed as quickly as possible and lay her eggs. She cannot fly, so she emits a chemical odor to attract the nearest male for mating, the male flies off to mate several more times before dying. After mating, the female spends about a day depositing her egg mass, falls to the ground and dies. Neither the male or female moth feed.

Each egg mass can contain from 50-1,000 eggs. The eggs are intertwined in a matting of hair from the body of the female. The hair is a tan-buff color and helps insulate eggs.

The egg masses begin hatching the following May. Hatching coincides with the bud break of aspen and the flowering of serviceberry.

Homeowners are encouraged to search out and destroy egg masses. This is accomplished by scraping them from the surface to which they are attached into a coffee can or similar receptacle. They can be buried or burned. Remember that each egg mass destroyed probably eliminated 400-500 caterpillars. Destroying egg masses is not a cure all. Many times egg masses are overlooked or inaccessible. However, it is a very good and certainly very cheap way to significantly impact the gypsy moth population in your yard and neighborhood.

Continued on page 3

Barrier Bands

Sticky, or slippery bands can be placed around tree trunks to help curtail, though not necessarily prevent, the caterpillars movement into and out of the tree canopy.

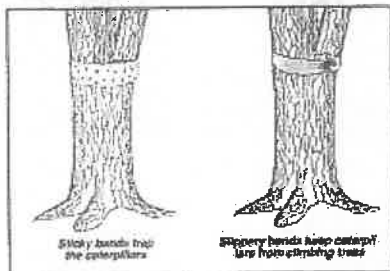
Sticky bands can be purchased or made using a nonporous material that can be wrapped around a tree trunk, then coated with a commercially made, vegetable-based sticky material. **Never put sticky material directly on the tree trunk.** This will permanently stain the bark and may harm the tree.

Sticky bands should not be put on the tree until the caterpillars are about an inch long. Smaller caterpillars usually stay in the tree canopy. Sticky bands eventually lose their effectiveness due to rain and other weather factors, the sticky material has to be reapplied periodically. Bands covered completely with caterpillars need to be cleaned or replaced.

Slippery bands are also intended to interrupt the daily migration of the caterpillar. They prevent the caterpillar from climbing up into the canopy.



Gypsy moth caterpillars use cloth bands to hide during daylight hours. Scrape the caterpillars into a bucket of soapy water



Sticky bands trap the caterpillars

Slippery bands help caterpillars from climbing trees

Hiding Bands

Cloth, or hiding bands, can be homemade from medium weight dark cloth about 12 to 18 inches wide and long enough to completely wrap

around the tree. Fasten each band at chest height around the tree with twine, cord or wire about midway from the bottom of the cloth. Then fold the top part of the cloth down over the bottom half.

Caterpillars descending the tree in the morning in search of a secluded daytime resting spot will hide under the flap of the band. Remove and destroy caterpillars each day by scraping them into a bucket of soapy water.

Pesticide Techniques

Biological Pesticide

Many pesticides are registered for use against gypsy moth in Michigan. A biological pesticide commonly used on gypsy moth is *Bacillus thuringiensis* var. *kurstaki*. B.t. is a common soil bacteria. It is commercially formulated and sold under various labels (e.g., Dipel, Foray, Thuricide and Bactur to name a few). B.t. can be applied from the ground or by aerial spraying.

B.t. formulations are quite safe to humans. There is no apparent human toxicity, although there have been rare cases of allergic reaction by humans to certain formulations of B.t. In fact, B.t. is only known to be toxic to the caterpillars of moths and butterflies. While there are many species of caterpillars affected by B.t., this pesticide is the most "selective" product available.

To be effective in minimizing defoliation, B.t. must be applied when caterpillars are less than one inch long. As caterpillars get larger, the efficacy of B.t. diminishes. B.t. has a reported residual activity (i.e. how long it remains potent) of about a week. It is broken down by sunlight. In instances where there are very high gypsy moth populations, two applications five days apart might be needed.

Most chemical pesticides are 95% - 99% effective. B.t.k. is probably is 80% - 85% efficient in field applications. This is a desirable attribute of B.t.k.. That may sound like a contradiction, but it isn't. Pesticides that are highly efficient will eventually work against the pest manager. Insects, through natural selection, will develop resistance to the pesticide. By

leaving 15% of the population intact, selection for resistance is slowed. B.t.k. has been used against gypsy moth for over twenty-five years and no resistance has been discovered. There is, quite naturally, a trade off. When B.t.k. is applied there are still some caterpillars crawling around. However, nuisance is reduced to a minimum, defoliation lowered below damaging levels.

Soap and Water

In addition to destroying egg masses, homeowners can use other non-pesticide methods to reduce defoliation of their yard trees.

Watch for the appearance of the small caterpillars in the spring. A garden hose has sufficient water pressure to knock them off the foliage. Spraying them with water under pressure kills many of them.

Garden centers carry various brands of "insecticidal soap." An insecticidal soap is not a soap with a synthetic insecticide but instead refers to the ability of the soap to kill certain insects. Spraying gypsy moth caterpillars with a hose with an attachment to dispense soap can be effective. Always follow label directions on the insecticidal soap container. Small and large caterpillars can be drowned when submerged into a bucket of soapy water.

Chemical Insecticides

A number of chemical pesticides are registered against gypsy moth in Michigan. Many are available at your local garden center or nursery. Some of the most common are formulations of acephate, carbaryl, and malathion.

If you choose to use chemical insecticides, apply them judiciously and wisely. Besides gypsy moth they can have a potential impact on a variety of beneficial insects, including valuable predators, parasites and honeybees.

Regardless of what insecticide you choose, read the label instructions and follow them exactly. If you have any potential personal health concerns regarding pesticides, discuss them with a physician or contact your local health department.

Trees and shrubs defoliated by gypsy moth

Although gypsy moth caterpillars feed primarily on deciduous tree species such as oak or aspen, this insect is known for its wide-ranging appetite. When populations of gypsy moth are very high, the caterpillars quickly devour the leaves of their preferred host tree species. Once their favored food source disappears, the hungry caterpillars do not hesitate to seek out new sources of food. When this occurs, almost any deciduous or conifer tree, shrub or other landscape plant may be at risk of suffering some amount of defoliation.

Consequently, it is difficult to state exactly how susceptible a tree or shrub species is to defoliation by gypsy moth caterpillars. Therefore, the following list is offered only as a guide to homeowners. This list does not guarantee that any species listed as minimally at risk will never be defoliated by the gypsy moth.

More importantly, homeowners need to recognize that gypsy moth caterpillars do have preferences for certain types of trees and thrive best on those species. Typically these favored food sources are usually the first ones attacked in a homeowner's yard, especially tall, large crowned trees. These are the trees most likely at risk to defoliation.

Generally speaking, when gypsy moth caterpillars move into less preferable food sources, the caterpillars do not thrive as well and often only cause minor damage.

However, regardless of this insect's food preferences, close inspection of yard trees and outdoor fixtures and prompt action by the homeowner to destroy egg masses and small caterpillars is crucial. This is the real key to minimizing the discomfort and, to some degree, the defoliation caused by large numbers of gypsy moth caterpillars.

If a homeowner is able to minimize the amount of defoliation from the gypsy moth, it will lessen the overall impact on tree health. When a hardwood tree is heavily defoliated, the needed energy to regrow a new set of leaves causes stress. This stress often weakens a tree which may lead

to additional tree health problems. Moreover, conifer species, such as spruce or pine, are at greater risk than hardwoods because conifers are not able to regrow needles lost to defoliation. Thus complete defoliation of conifers by gypsy moth is usually fatal.

Trees and Shrubs Most at Risk to Defoliation

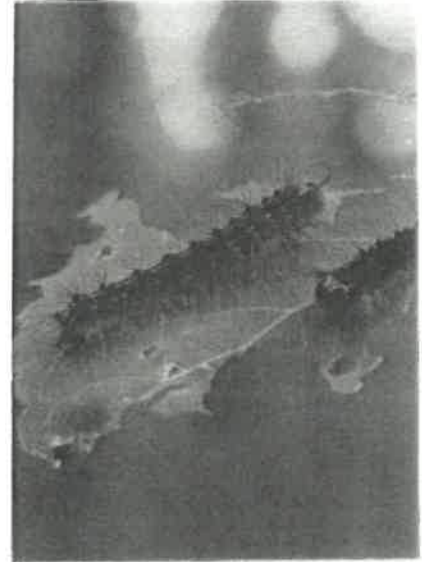
All Oak (*Quercus*).
All aspen and poplar (*Populus*).
Gray, paper (white), and river birch (*Betula*).
All willow (*Salix*).
All apple and crabapple (*Malus*).
All thornapple and hawthorne (*Craetagus*).
White pine (*Pinus*).
Blue spruce (*Picea*).
American beech (*Fagus*).
Basswood (*Tilia*).
Sweetgum (*Liquidambar*).
Juneberry or serviceberry (*Amelanchier*).
Witch hazel (*Hamamelis*).
Hazelnut (*Cornus*).
Mountain ash (*Sorbus*).

Trees and Shrubs Somewhat at Risk to Defoliation

Black walnut and butternut (*Juglans*).
All cherry and plum (*Prunus*).
Norway, red and sugar maple (*Acer*).
Hophornbeam or ironwood (*Ostrya*).
Alder (*Alnus*).
Elm (*Ulmus*).
Hickory (*Carya*).
Eastern redbud (*Cercis*).
Sassafras (*Sassafras*).
Paw paw (*Asimina*).
White and Norway spruce (*Picea*).
Balsam fir (*Abies*).
Eastern hemlock (*Tsuga*).
Red, jack, scotch and Austrian Pine (*Pinus*).

Trees and Shrubs at Minimal Risk to Defoliation

Ash (*Fraxinus*).
Tulip tree or yellow poplar (*Liriodendron*).
Sycamore and London plane tree (*Plantanus*).
Northern catalpa (*Catalpa*).
Honey locust (*Gleditsia*).
Black locust (*Robinia*).
Horsechestnut (*Aesculus*).
Dogwood (*Cornus*).



Gypsy moth caterpillars prefer to eat leaves of certain tree species, including poplar.

Eastern redcedar (*Juniperus*).
Juniper (*Juniperus*).
Yew (*Taxus*).
Lilac (*Syringa*).
Azalea (*Azalea*).
Rhododendron (*Rhododendron*).
Arborvitae (*Thuja*).
Viburnum (*Viburnum*).

Homeowners considering planting trees or shrubs in areas prone to high gypsy moth population build-ups should choose species that are at minimal risk to defoliation. Contact your local MSU Extension office for bulletins and information on tree selection, planting and care.



Be careful about quick fixes for your gypsy moth problem

Struggling with the effects of the gypsy moth can be frustrating enough without unscrupulous people trying to take advantage of the homeowner by offering quick fixes.

There are no quick fixes, declares Russell Kidd, MSU Extension district forestry agent in Roscommon County.

He advises homeowners to be wary of products or services that promise or imply they can end gypsy moth problems in the backyard or woodlot.

Be careful of salespeople who want to spray your trees with chemicals that are "guaranteed" to control the gypsy moth. In some cases, these may be worthless or even dangerous.

Homeowners should ask what chemical is to be used, its hazard, what its effect will be and what precautions will be taken to minimize spray drift to nearby objects.

Homeowners should also ask to see proof that the company and the individual are certified and licensed to

apply such a material. Michigan law requires that commercial pesticide spraying companies be certified and licensed by the Michigan Department of Agriculture.

Remember that chemical sprays are effective only during the caterpillar stage of the gypsy moth. Spraying trees before the eggs hatch or after the caterpillars have pupated or emerged as adults moths is worthless. (See the gypsy moth life cycle chart).

Be wary of unrealistic claims about products or techniques to rid your property of the gypsy moth by themselves.

Some products, such as sticky bands, are indeed useful, but they will not control the gypsy moth completely, especially when used alone. Only a combination of control treatments, used diligently by the homeowner, will achieve satisfactory control of the gypsy moth.

Other products may not do what their names imply. Take, for instance, the gypsy moth trap. The

purpose of the trap is to attract and capture the adult gypsy moth.

Traps are used to monitor gypsy moth populations. They will not control or eliminate next year's gypsy moth problem in your yard because one adult male moth can mate with many female moths and one or two traps will not capture enough males to interfere with mating or cause the population to decline significantly next year.

Be very careful about timber buyers who offer to buy standing trees that have been defoliated. Unscrupulous timber buyers may use gypsy moth infestations in an area as a scare tactic to persuade people to sell valuable timber at low prices before the tree die.

Timber owners should always consult with professional foresters before they decide to sell any standing timber.

Your county MSU Extension office can provide the names of professional foresters in your area.



Be careful with pesticides!



Use proper recycling procedures for disposing of pesticide containers.

This publication contains pesticide recommendations based on research and pesticide regulations. However, changes in pesticide regulations occur constantly. Some pesticides mentioned may no longer be available, and some may no longer be legal. If you have questions about the legality and/or registration status for using pesticides, contact your MSU Extension county office.

To protect yourself and others and the environment, always read the label before applying any pesticide. For information about pesticide labels see Extension Bulletin E-2182 *Reading a Pesticide Product Label*.

For more information about pesticide safety, see Extension Bulletin E-2215, *Using Pesticides Safely: A Guide for the Applicator*; Extension Bulletin E-1546 *Take Cover! Protect Yourself from Exposure (Pesticides)*.

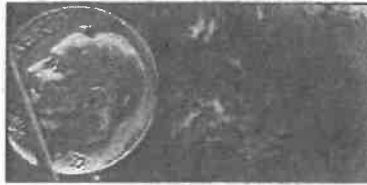
For more information about safe disposal of pesticide containers see Extension Bulletin AM-95 *Rinsing and Recycling Pesticide containers*.

Dozens of other Extension bulletins on safe application of pesticides are also available.

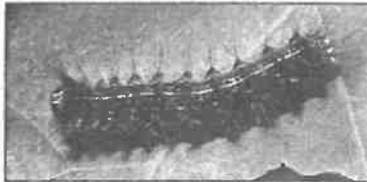
Gypsy Moth Life Cycle

1) Small Larvae. This stage lasts for 7-10 days after eggs hatch in early May (or sooner in warmer weather). Larvae are less than 1.2 inch long and usually black. They linger around the egg cluster for several days if the weather is cool or rainy, then climb trees or other objects, trailing silken threads as they move. When the larvae reach the top of the tree, they do not feed but drop on silken threads and are dispersed by the wind.

2) Large Larvae. Feeding at night for 4 to 6 weeks, large larvae generally rest during the day unless populations are very large, then they wander constantly. They grow until they are about 2 inches long.



1. Small Larvae—May



2. Large Larva—June



3. Pupae—July



4. Adults—August



5. Egg masses—August

3) Pupae. During this stationary stage the larvae are changing into moths. This generally occurs from the end of July until early August. After about 10 days in the dark colored pupal cases, the adult moths emerge, leaving the pupal cases behind.

4) Adults. The female moth is creamy white and does not fly but emits a chemical called a pheromone to attract a male moth. The male is brownish and flies in a zigzag pattern looking for the female. A single male can mate with many females. Both sexes have chevron markings (V or notch-shaped marking) on each forewing.

5) Egg masses. The buff-colored egg masses contain between 50 and 1,500 eggs. The female deposits the eggs on any convenient surface. The masses are usually covered with hairs from the female's abdomen. The egg masses are quite cold resistant and can survive temperatures as low as -20 degrees F. Egg masses hatch during May.



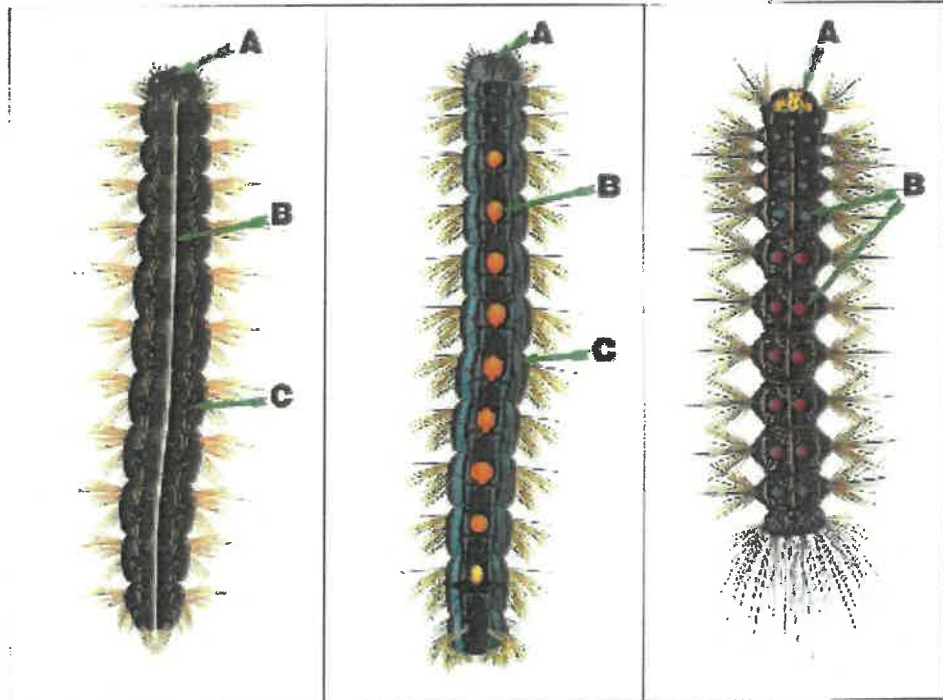
Comparison of the Eastern Tent Caterpillar, Forest Tent Caterpillar and Gypsy Moth

Michigan State University Extension

These three insects are often found feeding on the leaves of hardwood trees early in the summer. They can be easily confused with one another. The illustrations and information here will help you to identify which caterpillar is feed-

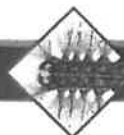
ing on your trees. Contact your local MSU Extension office or regional Dept. of Natural Resources office for more information on the biology and management of these insects.

Illustration by Peter Ewing/MSU


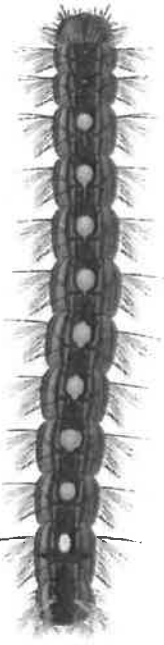
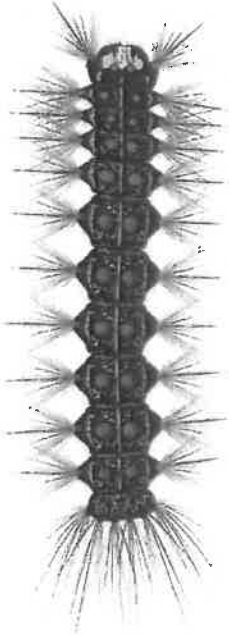





	Eastern Tent Caterpillar <i>(Malacosoma americanum)</i>	Forest Tent Caterpillar <i>(Malacosoma disstria)</i>	Gypsy Moth Caterpillar <i>(Lymantria dispar)</i>
Markings	A) Dark head; B) prominent white or yellow stripe down the center of the body; C) small blue spots to the side.	A) Blue head; B) prominent central row of white or yellow markings in keyhole or footprint shape; C) bluish on sides of body.	A) Yellow head with black markings; B) prominent blue and red spots.
Tents	Prominent silk tent in branch junction.	They do not spin silk tents; resting sites on leaves may have small silk layer.	No silk tents.

(Over)



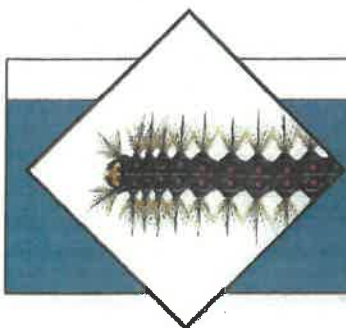
Comparison of the Eastern Tent Caterpillar, Forest Tent Caterpillar and Gypsy Moth

			
	Eastern Tent Caterpillar <i>(Malacosoma americanum)</i>	Forest Tent Caterpillar <i>(Malacosoma disstria)</i>	Gypsy Moth Caterpillar <i>(Lymantria dispar)</i>
Egg Mass	Dark, spindle-shaped mass wrapped around twigs; rough varnished texture. 	Similar to eastern tent caterpillar. 	Tan color; covered with fine hairs; 1 to 3 inches long; usually on tree bark. 
Preferred Host Trees	Black cherry, apple, crabapple.	Aspen, sugar maple, oaks, birch, black gum.	Oaks, aspen, birch, willow and more than 250 other species.
Populations	Native insect; silk tent is unattractive, but feeding rarely harms trees; common pest of ornamental trees in urban settings.	Native insect; outbreaks occur at roughly 10-year intervals and usually last 2 to 4 years; most common in forests, especially where aspen is abundant.	Exotic pest; severe defoliation during outbreaks can occur for 2 to 3 years in urban and forested areas, especially where oaks are abundant.

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Entomophaga maimaiga - A Natural Enemy of Gypsy Moth

Michigan State University Extension

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The gypsy moth (*Lymantria dispar* L.) is an exotic pest of urban and forest trees. Gypsy moth caterpillars feed on the leaves of oaks, aspens, and many other hardwood and conifer trees. During gypsy moth outbreaks, trees may be completely stripped of leaves. Although gypsy moth caterpillars rarely kill trees by themselves, trees weakened by heavy defoliation may become more susceptible to drought, disease or other insect pests. In addition, the large hairy caterpillars annoy people living or recreating in outbreak areas.

Managing gypsy moth requires the integration of a variety of control tactics. Biological control, the use of natural enemies to control a pest, can be an important part of an integrated pest management program for gypsy moth. One biocontrol agent that has recently shown much promise is a fungal pathogen, *Entomophaga maimaiga*.

Origin of *Entomophaga maimaiga*

Entomophaga maimaiga is a common disease in gypsy moth populations in its native country of Japan. The fungus was first released into the United States near Boston in 1910 as part of a program to introduce natural enemies of gypsy moth. Scientists could find no evidence that the fungus had become established and the project was abandoned a few years later. However, the fungus appeared unexpectedly in several northeastern states in 1989 and caused high mortality in many gypsy moth populations. Although scientists have several theories, the strange reappearance of the fungus is still a mystery.

Entomophaga maimaiga was first brought into Michigan in 1991 by scientists at Michigan State University and the USDA Forest Service. It was released in three sites in northern lower Michigan and monitored closely.

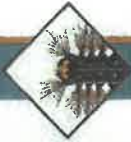
Additional introductions have since occurred and the fungus also is spreading naturally. *Entomophaga maimaiga* has now been found throughout most of Lower Michigan.

Life history of *Entomophaga maimaiga*

Entomophaga maimaiga passes the winter as a tough, thick-walled "resting spore" in the soil and on tree bark. In May and June, resting spores germinate and produce sticky spores at the end of a stalk that grows just above the soil surface. Gypsy moth caterpillars come into contact with these spores in the spring as they search for suitable leaves to feed on. The fungus digests its way through the exoskeleton of the caterpillar and grows inside the body of the caterpillar. Infected caterpillars may die within one week.

When young caterpillars are affected early in the summer, the fungus will produce a second type of spore called conidia. These microscopic spores are spread by the wind and can infect other caterpillars. The cycle of conidia production and infection may occur four to nine times during the summer. When the fungus develops in large caterpillars, it produces the overwintering resting spores.

Weather plays an important role in determining how effective *Entomophaga maimaiga* will be. Like most fungi, its spores need moisture and high humidity to germinate. Frequent rainfall during May and June contributes to the start and spread of *Entomophaga maimaiga* through a gypsy moth population. Temperatures of 50 to 80 degrees F enhance fungal growth.



Entomophaga maimaiga – A Natural Enemy of Gypsy Moth



Figure 1. Gypsy moth larva killed by NPV hanging in an inverted "V" position.

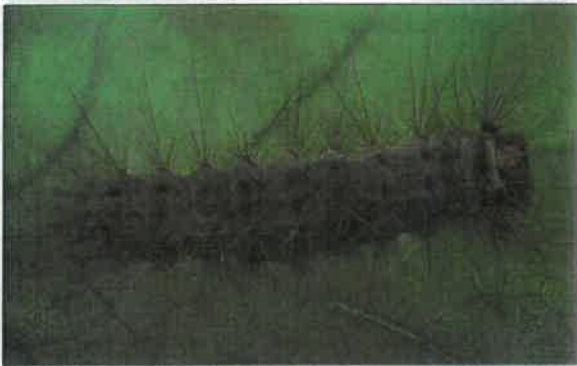


Figure 2. Dead larva covered with conidia of *Entomophaga maimaiga*.



Figure 3. Larvae killed by *Entomophaga maimaiga* often remain attached to trees.

Distinguishing *Entomophaga maimaiga* from NPV

Another disease is common in outbreak populations of gypsy moth. NPV (nuclearpolyhedrosis virus) is a virus disease that often causes gypsy moth outbreak populations to collapse. One important difference between the two diseases is that NPV is seldom prevalent until gypsy moth populations reach very high levels. In contrast, *Entomophaga maimaiga* may be found even when gypsy moth populations are low.

Caterpillars killed by NPV often remain attached to the stem or branches of trees. The bodies of the dead caterpillars are soft, filled with a brown liquid and disintegrate rapidly. Usually they hang limply in an upside-down "V" position (Fig. 1).

Caterpillars killed by *Entomophaga maimaiga* will also remain attached to tree stems or branches. However, the bodies tend to be stiff and straight, and the legs extend stiffly from the body. Some of the dead caterpillars may have tiny white conidia attached to the hairs on the body (Fig. 2). The cadavers may remain on the stem well into autumn (Fig. 3).

The future of *Entomophaga maimaiga*

Entomophaga maimaiga may become an important biological control of gypsy moth in both low and high populations. Infections may be more common in years with rainy spring weather than in years with dry spring weather. Scientists have found that the fungus is established in a number of areas in Michigan. Laboratory and field studies have shown that *Entomophaga maimaiga* is host specific and poses little risk to other insect populations. It will not affect other animals or humans. Introductions and evaluation will continue. Although there is not likely to be any "silver bullet" for gypsy moth, *Entomophaga maimaiga* should improve our ability to manage this pest in Michigan.

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Gypsy Moth Populations Growing

Robert Bricault, MSU Horticulture Educator

One of the hardest lessons I learned over the years is that information taught in the past may not be remembered tomorrow. Gypsy Moth management was the central focus of my career from 1985 through 1999. I worked in landscaping in Midland and Isabella Counties when Gypsy Moths caused the first defoliation in Michigan in 1985. During the 1990's the insect moved into Southeast Michigan where it continued it's destructive pattern of ravenous eating, stripping thousands of trees of their leaves.



By 1994, Extension worked with the Michigan Department of Agriculture mapping out areas with large Gypsy Moth egg mass counts for aerial spraying with the bacteria, Bt (*Bacillus thuringiensis*). Bt did not kill the caterpillars quickly, but made them sick by changing the pH in their stomachs. Eventually they stopped eating and starved to death.

Bt helped to reduce the population not eliminate it, giving parasites, predators and pathogens a chance to develop. A pathogen called NPV, nucleopolyhedrosis virus, began killing large number of caterpillars leaving them hanging in an upside down V on tree trunks. Unfortunately, NPV only worked well when populations of the insect were very high. A real break came when a soil borne fungus, *Entomophaga maimaiga* started to kill off large numbers of caterpillars in midsummer leaving them hanging straight down on tree trunks. The fungus was effective even in sites with low numbers of Gypsy Moths present. The fungus spreads during periods of consistent rainfall in late spring and early summer. Gypsy Moth populations have been at very low numbers for the past eight years in Washtenaw County mostly due to the *Entomophaga* fungus.

The drought of 2007 reduced the development of the fungus allowing more caterpillars to survive, change into moths and lay eggs. The increasing population of caterpillars led to localized defoliation of trees. The worst damage was on Blue Spruces. Fortunately, we did experience good rainfall in June 2008, allowing the *Entomophaga* fungus to spread and kill many caterpillars. Enough Gypsy Moth did survive in 2008 to produce larger numbers of egg masses than we have seen in over six years. This may cause some localized defoliation of trees again this coming summer, increasing the need to educate residents on managing this pest.

Gypsy moth eggs hatch in mid spring usually about the time serviceberry is in bloom. People often confuse Gypsy Moth with other caterpillars that make tents or webs in trees. Gypsy Moth can hang from silk like strands from a branch but do not make webbed tents. They can spread by wind while hanging from this thread. At this early stage they are susceptible to Bt. Bt works well on young caterpillars, but is ineffective once they get beyond an inch long. Trees can be banded with burlap to trap caterpillars that seek shelter under the burlap during the day. Unfortunately, in blue spruces it is

hard to manage them through banding. Once in the moth stage Gypsy Moth does not feed. The brown male moths can be seen flying around searching for the white female moths that do not fly. The female leaves behind buff colored egg masses that are easy to see.



Fall and winter are great times to go hunting for the buff colored egg masses in trees. If you have spruces check under the branches for the egg masses. If you find egg masses on structures, outdoor furniture or trees, knock them off into soapy water. This sanitation practice greatly reduces the number of caterpillars the following year. Some of their favorite trees include oak, birch, apple, willow, hawthorn, white pine, blue spruce, serviceberry and poplars, but they will eat leaves from maples and other trees that are not their most preferred species. If large populations are found damaging trees it may become necessary to treat the trees with an insecticide. The greatest risk is to evergreens like blue spruces and white pines that do not come back from defoliation as well as deciduous trees will. If using a pesticide make sure it is labeled for control of Gypsy Moth.



We are often asked why the county is not still part of the state's suppression program. The need for the program in Washtenaw and across Michigan declined as Gypsy Moth levels dropped very low across the state. The State's Suppression program actually ended in 2006 and also the availability of federal dollars to assist communities in aerial spray programs. The suppression program did what it was supposed to do, reducing the insects population long enough for other forces that help control Gypsy Moth to develop in our ecosystem.

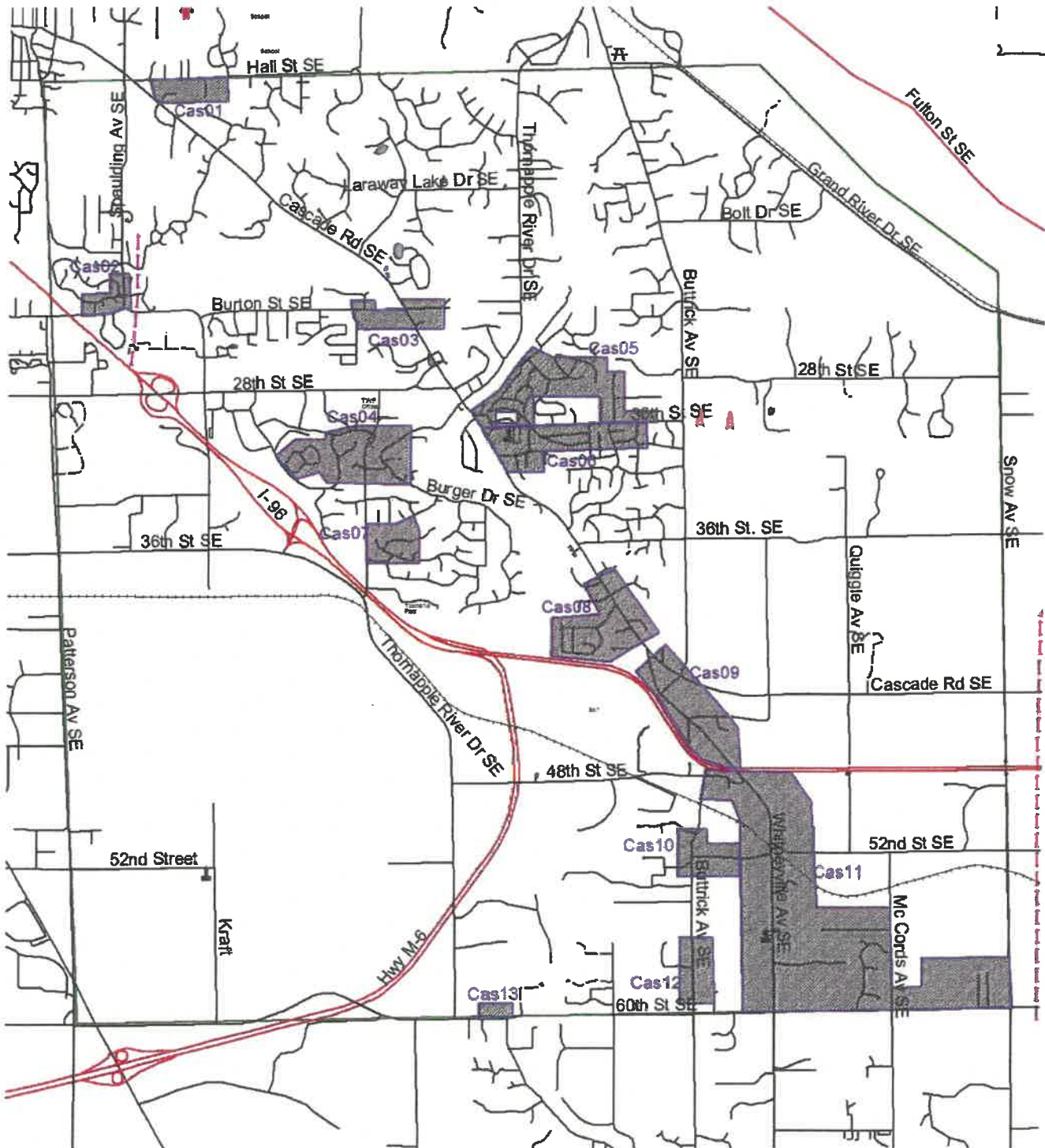
Through careful monitoring, sanitation practices, banding as well as localized pesticide treatment, you can help to keep Gypsy Moth in check while allowing natural pathogens, predators and parasites to gain back a balance of control. Our hope is that nature will continue to keep Gypsy Moth populations at low levels in most years and eliminate the need for large scale spray programs. If you find large local Gypsy Moth infestations please share this information with the Horticulture staff at the MSU Extension office: 734 997-1678 or contact the Master Gardener Hotline from mid April through October at 734 997-1819.

**Gypsy moth and gardening questions phone:
Washtenaw County, MSU Extension
Master Gardening Hotline at: 734 997-1819**

**Master Gardener Volunteers are available:
mid April through October
Monday through Thursday
9:00 a.m. – 12:00 noon
1:00 p.m. – 4:00 p.m.**

At other times phone the MSU Extension office at 734 997-1678

Cascade Township Gypsy Moth Survey Report Map for 2019 Season



Shaded areas are recommended for
aerial B.t. spray in Spring 2019



— Township Border
2018 Aquatic Consulting Services

Cascade Charter Township
Gypsy Moth Post-Spray Evaluation

Conducted: 6/17/19

By

Aquatic Consulting Services LLC

Block #	Acres	Spray Result Observations
Cas01	45	Excellent results. Evidence of feeding cessation and caterpillar mortality. Little evidence of defoliation.
Cas02	34	See above.
Cas03	60	Overall very good results. Evidence of feeding cessation and caterpillar mortality. A few trees with ≈10% defoliation, but the vast majority showed minimal defoliation. Nuisance level should be low.
Cas04	160	Very good results. Defoliation was <10% in the vast majority of trees. A few trees did see 20-25% defoliation, but evidence of feeding cessation and caterpillar mortality was obvious throughout. Nuisance should be low.
Cas05	178	Overall good/very good results. Little evidence of damaging defoliation, most trees <10-20%. Evidence of feeding cessation.
Cas06	127	Very good results overall. Few trees with >10% defoliation. Evidence of feeding cessation and caterpillar mortality.
Cas07	53	Excellent results. Most trees showed minimal defoliation and caterpillar mortality was evident throughout.
Cas08	151	Good/very good results overall. A few trees with ≈10% defoliation. Evidence of feeding cessation and caterpillar mortality was common. Nuisance level should remain low.
Cas09	146	Good results overall. Evidence of caterpillar mortality and feeding cessation was visible throughout. A few trees did sustain 20-25% defoliation, but feeding cessation was notable, so further defoliation is unlikely. Nuisance level should be low, but remnant population levels could still be visible through the summer.
Cas10	79	Good results overall. Most trees saw <10% defoliation. A few trees in one area outside of the spray block did see ≈25% defoliation, but this level of feeding is not overly damaging. Nuisance level in the surrounding area may be slightly elevated, but tree damage is not a concern.
Cas11	807	A large spray block with varied conditions. Overall, good/very good results. The vast majority of trees experienced <10% defoliation, and feeding cessation was evident. A few trees along Whitneyville Ave did see 25-50% defoliation. While this is not ideal, this level of defoliation should not cause long term tree damage. Caterpillar mortality was notable in all areas as well. Nuisance levels should be fairly low overall. The lack of a spray program in the adjacent Caledonia township may have contributed to some re-infestation in the southern areas of the block post-spray.

Cas12	60	Excellent results overall. Evidence of caterpillar mortality and feeding cessation was evident throughout. Most trees saw <10% defoliation.
Cas13	12	Excellent results. Caterpillar mortality was notable. Some post-spray re-infestation is possible from the adjacent Caledonia Township. However, nuisance level should remain low.
Areas Outside Spray Blocks	NA	Few areas outside of spray areas showed any notable feeding or defoliation. One area north of spray block Cas10 did show elevated defoliation and should be an area of interest in future surveys.

The overall spray program was highly successful in Cascade for 2019. As I'm sure you are aware, gypsy moth populations across West Michigan have grown to alarmingly high numbers over the past few years. The goal of any gypsy moth suppression program is not to eradicate the gypsy moth populations (which is impossible), but to reduce the likelihood of long-term tree damage and ideally, reduce nuisance levels. This is accomplished through an integrated pest management (IPM) strategy, which focuses on techniques with the lowest possible ecological footprint (use of *Bacillus thuringiensis* bacterial insecticides, focused surveys and spray timing). This strategy also relies on assistance from environmental controls such as the gypsy moth specific fungus, virus, and parasitoid wasp that will help to reduce populations to near undetectable numbers. Fortunately, the conditions this year have been favorable for the growth of these environmental controls, so populations should be on a downward trend for the next few years. This said, you will see that several of the spray blocks saw some level of defoliation. This is expected in all years where gypsy moth populations are active, due mainly to the fact that the caterpillars must be actively feeding for the B.t. to be effective. The application of B.t. is intended to be ~80% effective under ideal conditions. Frequent rain events made spray timing challenging again this year, but I was confident spray timing and caterpillar development was as good as possible this season, and the post-spray evaluation has confirmed that.

The conditions this spring were again, quite abnormal. This just reinforces the ability to adapt quickly to seasonal and annual variations. While the gypsy moth populations appear to be on a downward trend, I encourage Cascade Township not to let their guard down. At this point monitoring is vital to reduce the chance of a rebound in the populations. The rapid changes in gypsy moth infestations through the recent cycle were challenging but not unprecedented, and the proactive survey and spray methods we use have been proven to be the best approach for enduring these spikes in gypsy moth populations.



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

Date: September 25, 2019
To: Supervisor Beahan & Cascade Township Board
From: Benjamin Swayze, Township Manager
Subject: Cascade Charter Township Buildings and Services Study

FACTS:

Earlier this year the Township Board accepted the first phase of the Township Facilities Study, which identified and prioritized the facility needs of the Township. The top priority was Fire Station #1. In summary of the issues and recommendations identified by Progressive AE:

Recommendation #1 – Fire Station #1 needs additional building area to provide a safe environment for firefighters, internal operations and the community.

Issues

- The department has outgrown a facility that currently does not meet certain building codes
- A safe separation does not exist between the visitor entry and the internal operation area of the fire station
- Vehicular and pedestrian traffic on the site creates conflict and is not safe.
- Fire staff living quarters are undersized and create concerns about safe separation between genders and circulation through the space during emergencies.
- Vehicle apparatus bays are too low for the trucks and equipment and don't accommodate all equipment, requiring extra time to keep outdoor vehicles clear and ready for emergency response.
- Mechanical systems and building envelope are not adequate.

Opportunities

- Relocate the Fire Station to an alternate location between I-96 and the Thornapple River. This would maintain the station's current coverage area but provide the opportunity to increase visibility and access.
- Relocate the connected Township Hall to provide space for the Fire Station to grow appropriately on the current site. This would make use of the property and potentially the building shell the Township already owns, but this location is not as visible to the community from major roadways.

In addition to the recommendations from Progressive AE as a result of their comprehensive study, staff identified the next steps that should be explored for each recommendation. Next steps that were recommended included:

Recommended Next Steps

- Identify potential sites for Station #1
 - Can be done utilizing internal resources

- Conduct a cost benefit analysis on a minimum of 3 potential sites
- Create a schematic design & cost estimate for a new Station #1
 - Architecture firm selected through an RFP
 - Basic layout and estimate of ALL costs on 3 selected sites

At the recommendation of the Public Safety Advisory Committee, the township staff have requested a proposal from Progressive AE to lead us through the next phase of the Facility Study process for Station #1. While Progressive AE will lead the process, the proposal requires them to write and issue an RFP to bring on a subject matter expert for the building programming, staff interviews, planning, technology and cost estimation portion of the study

Attached for your review is:

- Proposal from Progressive AE for Facilities Study Phase 2; Fire Station #1
Proposal for Professional Architectural Services
- Final Cascade Charter Township Buildings and Services Study

ANALYSIS & CONCLUSIONS:

It was clear from the first phase of the Cascade Township Facilities Study that Fire Station #1 should be the top priority of the Township Board. Engaging Progressive AE to lead this study will allow the Township Board to answer the remaining questions before a decision can be made, including the most advantageous location for the station and subsequent cost estimate.

The study will require Progressive AE to study three properties within the Township that have the potential size and location to support a new fire station (one of which will be the current location). The project suitability/feasibility categories will include location analysis with Chief Magers, along with site acquisition, property development and building construction costs.

As requested by staff, and subsequently recommended by the Public Safety Advisory Committee, Progressive AE will bring on a subject matter expert for the building programming, staff interviews, planning, technology and cost estimation portion of the study. Progressive AE will be responsible for the work of the consultant, as well as Project management, site planning, public engagement and report production. The study will culminate in three options for the Township Board to consider for a new Fire Station #1.

The Public Safety Advisory Committee has recommended the Township Board approve the Facilities Study Phase 2: Fire Station #1 Proposal for Profession Architectural Services from Progressive AE.

FINANCIAL CONSIDERATIONS:

The proposal from Progressive AE at a cost of \$27,150. As the work focuses solely on Fire Station #1, the funding for this study will come from the Fire Department Fund. A budget amendment will be needed to fund the study, as this was not included in the FY2019 budget.

RECOMMENDED ACTION:

To approve Facilities Study Phase 2: Fire Station #1 Proposal for Profession Architectural Services from Progressive AE.



August 21, 2019

Cascade Charter Township
Ben Swayze, Township Manager
2865 Thornhills Avenue SE
Grand Rapids, MI 49546-7192

Re: Facilities Study Phase 2: Fire Station #1 Proposal for Professional Architectural Services

Dear Ben:

Progressive AE is pleased to continue our relationship with you and the Township. Following is our understanding of the project, our scope of services, proposed schedule and compensation for your consideration.

UNDERSTANDING OF PROJECT

On behalf of Cascade Charter Township, Progressive AE will be soliciting and retaining the services of a professional fire station programming and technology consultant. We will write an RFP and issue it to qualified consultants for receiving competitive fee proposals, which we will organize and review with Township staff for presenting a recommendation to the Township Board.

Following consultant on-boarding, the project, as we understand it, will be focused on the feasibility and conceptual design of a new fire station, which will ultimately replace fire station #1 located at 2865 Thornhills Avenue SE. Together with Township Staff we will study three properties within the Township that have the potential size and location to support a new fire station. One of the three subject properties will be the current fire station property on Thornhills Avenue. The project suitability/feasibility categories will include location analysis with Chief Magers, along with site acquisition, property development and building construction costs. Site and building designs will be created at a conceptual level for each property to support opinions of probable costs.

SCOPE OF BASIC SERVICES

Based upon the above project understanding, we will provide the following scope of services:

1. Project management (*Progressive AE*)
2. Site planning (*Progressive AE*)
3. Building programming, staff interviews, planning and technology (*Consultant*)
4. Cost estimation (*Consultant*)
5. Public engagement (*Progressive AE*)
6. Report production (*Progressive AE*)

WORK PLAN AND SCHEDULE

The following meeting and work schedule is proposed:

Week	Event	Purpose
8/28		Board meeting review
9/11		Board meeting for approval to proceed
9/16	Meeting 1	Project kickoff at Township
9/23		Consultant RFP issuance
9/30		Subject properties due diligence
10/7	Meeting 2	Work session at Progressive AE
		RFP response review, GoTo video interview and selection
10/21	Meeting 3	Site Visits: tour (3) subject properties

Week	Event	Purpose
10/22		Site layout and building planning work session at Progressive AE
10/28		Building planning and conceptual design session
11/4		Opinion of probable cost
11/11	Meeting 4	Work session at Progressive AE: design review and public session prep
11/18	Meeting 5	Public input session
11/25		Public and staff feedback integration
12/9		Report synthesis and production
12/16		Report delivery
12/23	Meeting 6	Board presentation

PROFESSIONAL COMPENSATION

Based upon the above identified scope of services, Progressive AE proposes to provide the work as delineated above for a stipulated sum of \$27,150 (twenty-seven thousand one hundred fifty dollars). Reimbursable expenses are in addition to the professional compensation, estimated at \$900 (nine hundred dollars) and will be invoiced according to the attached Schedule of Invoice Rates

The terms of this proposal defining project understanding, scope, schedule, clarifications and professional compensation are incorporated into the Standard Agreement Provisions for Professional Services which are attached. The terms and conditions as identified in the Standard Agreement Provisions will be valid unless superseded by an AIA Standard Form of Agreement.

Progressive AE has prepared this proposal for Cascade Charter Township and we request that it be treated as confidential and not copied or distributed for any reason other than evaluation for hire.

If this proposal meets with your approval, please sign below and return a copy of the signed proposal. Your signature will be our authorization to begin the work and place the project in the firm's schedule.

Sincerely,



08/21/2019 01:35:58 pm

James F. Horman, AIA
Principal

Accepted By: _____

Printed Name: _____ Date: _____

Cascade Charter Township

Standard Agreement Provisions
Architectural Services

The parties to this agreement, Progressive AE, Grand Rapids, Michigan, USA, hereinafter called the ARCHITECT and Cascade Charter Township, Grand Rapids, Michigan, USA, hereinafter called the OWNER, hereby agree to the following conditions:

1. Limit of Scope: The services provided by the ARCHITECT shall be limited to those described in the proposal dated August 21, 2019. The parties agree that the terms of the proposal are incorporated herein by reference, and are part of this agreement as if fully set forth herein. If any terms set forth in the proposal are expressly in conflict with the terms hereof, the terms of the proposal shall govern.
2. Changed Conditions: If, during the term of this Agreement, the ARCHITECT becomes aware of any circumstances or conditions that were not originally contemplated by or known to the ARCHITECT, then to the extent that they affect the scope of services, compensations, schedule, allocation of risks or other material terms of this Agreement, the ARCHITECT may call for re-negotiation of appropriate portions of the Agreement. The ARCHITECT shall notify the OWNER of the changed conditions necessitating re-negotiation, and the ARCHITECT and the OWNER shall promptly and in good faith enter into re-negotiation of this Agreement to address the changed conditions. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement.
3. Additional Services: Additional services not specifically identified in the Scope of Services shall be paid for by the OWNER in addition to the fees previously stated, provided the OWNER authorizes such additional services in writing. Special services will be billed monthly as work progresses and invoices are due upon receipt. If services covered by this agreement have not been completed within three months of the date of this agreement, through no fault of the ARCHITECT, extension of the ARCHITECT'S services beyond that time shall be compensated as additional services.
4. Standard of Care: Professional Services provided by the ARCHITECT will be conducted in a manner consistent with that level of care ordinarily and normally exercised by licensed architects and engineers practicing in the State of Michigan. The OWNER and ARCHITECT agree that a contingency in the amount of three percent (3%) of the cost of the work be established, as required, for changes that may be required because of possible omissions, ambiguities, or inconsistencies in plans and specifications.
5. Hazardous Materials: The ARCHITECT shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials or toxic substances in any form at the Project site. The Owner shall furnish tests, inspections and reports required by law or the Contract Documents, such as structural, mechanical, and chemical tests, tests for air and water pollution, and tests for hazardous materials.
6. Condominium Conversion: If the ARCHITECT's services and Construction Documents are intended for the design and construction of residential rental units, they shall be under the ownership and control of a single, integrated OWNER. In the event the Project is changed to any other purpose or use, including, but not limited to, subdivision into individual units for sale, the ARCHITECT shall have no responsibility, and shall be released from all obligations and liabilities for the Project, and each and every right, license and/or ownership interest of the OWNER of the Construction Documents shall be void. The OWNER shall be expressly prohibited from making any further use of the Construction Documents for any purpose, including, but not limited to, the conversion of the Project to another purpose. Further, the OWNER agrees, to the fullest extent permitted by law, to indemnify, immediately defend, and hold harmless the ARCHITECT, its officers, directors, employees and subconsultants (collectively, ARCHITECT) against all damages, liabilities or costs, including reasonable attorney's fees and defense costs, arising out of or in any way connected with the services performed under this Agreement.

7. Opinions of Probable Construction Cost: In providing opinions of probable construction cost, the OWNER understands that the ARCHITECT has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the ARCHITECT's opinions of probable construction costs are made on the basis of the ARCHITECT's professional judgment and experience. The ARCHITECT makes no warranty, express or implied that the bids or the negotiated cost of the Work will not vary from the ARCHITECT's opinion of probable construction cost.
8. Schedule for Rendering Services: The ARCHITECT shall prepare and submit for OWNER approval a schedule for the performance of the ARCHITECT's services. This schedule shall include reasonable allowances for review and approval times required by the OWNER, performance of services by the OWNER's consultants, and review and approval times required by public authorities having jurisdiction over the project. This schedule shall be equitably adjusted as the project progresses, allowing for changes in scope, character or size of the project requested by the OWNER, or for delays or other causes beyond the ARCHITECT's reasonable control.
9. Ownership of Reports, Drawings and Other Materials: The OWNER agrees that all reports, drawings, letters, work sheets, plans, preliminary material tables, supportive data, documents and other materials produced by the ARCHITECT in the course of and for the purpose of meeting this contract are the property of the ARCHITECT, shall remain in the possession of the ARCHITECT and the ARCHITECT has and retains all copyrights in such material. Upon execution of this Agreement, the Architect grants to the Owner a nonexclusive license to reproduce the Architect's Instrument of Service solely for the purposes of constructing, using and maintaining the Project provided that the Owner shall comply with all obligations including the prompt payment of all sums when due, under this Agreement.
10. Alteration and Reuse of CAD Information: Because computer aided design/drafting (CAD) information stored in electronic form can be modified by other parties, intentionally or otherwise, without notice or indication of said modifications, the ARCHITECT reserves the right to remove all indications of its ownership and/or involvement in the material from each electronic medium not held in its possession. The OWNER may retain copies of the work performed by the ARCHITECT in CAD form. Release of electronic media will be by execution of the Architect's Release of Electronic Media Request Form. Copies shall be for information and used by the OWNER for the specific purpose for which the ARCHITECT was engaged. Said material shall not be used by the OWNER, or transferred to any other party, for use in other projects, additions to the current project, or any other purpose for which the material was not strictly intended without the ARCHITECT's express written permission. Any unauthorized modification or reuse of the materials shall be at the OWNER's sole risk, and the OWNER agrees to defend, indemnify, and hold the ARCHITECT harmless, from all claims, injuries, damages, losses, expenses, and attorneys' fees arising out of the unauthorized use or modification of all Project documentation.
11. Payment Terms: Invoices will be submitted by the ARCHITECT monthly, are due upon presentation and shall be considered past due if not paid within thirty (30) calendar days of the date of invoice. Invoices past due shall accrue interest at one percent (1%) per month from the original invoice date.
12. Disputed Invoices: If the OWNER objects to any portion of an invoice, the OWNER shall so notify the ARCHITECT in writing within ten (10) calendar days of receipt of the invoice. The OWNER shall identify in writing the specific cause of the disagreement and the amount in dispute and shall pay that portion of the invoice not in dispute in accordance with other payment terms of this Agreement. Any dispute over invoiced amounts due which cannot be resolved within ten (10) calendar days after presentation of invoice by direct negotiation between the parties shall be resolved within thirty (30) calendar days in accordance with the Dispute Resolution provision of this Agreement. Interest at one percent (1%) per month shall be paid

by the OWNER on all disputed invoice amounts that are subsequently resolved in the ARCHITECT's favor and shall be calculated on the unpaid balance from the due date of the invoice.

13. Abandonment of Work: If any work is abandoned or suspended, the ARCHITECT shall be paid for services performed prior to receipt of written notice from the OWNER of abandonment or suspension.
14. Professional Liability Insurance and Limitation of Liability: The ARCHITECT maintains professional liability insurance as part of its normal business practice. The OWNER agrees to limit the ARCHITECT's liability to the OWNER and to all Construction Contractors and Subcontractors on the project due to the ARCHITECT's negligent acts, errors, or omissions, such that the total aggregate liability of the ARCHITECT to all those named shall not exceed the amount of the ARCHITECT's compensation for the Project.
15. Indemnification: Subject to the limitation in paragraph 13 above, the ARCHITECT agrees to the fullest extent permitted by law, to indemnify and hold harmless the OWNER against damages, liabilities and costs arising from the negligent acts of the ARCHITECT in the performance of professional services under this Agreement, to the extent that the ARCHITECT is responsible for such damages, liabilities and costs. The ARCHITECT shall not be obligated to indemnify the OWNER for the OWNER's own negligence.
16. Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ARCHITECT, their respective officers, directors, partners, employees, contractors or sub-consultants shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the project or to this Agreement. This mutual waiver of incidental, indirect and consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict or implied warranty. Both the OWNER and the ARCHITECT shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.
17. Dispute Resolution: In an effort to resolve any conflict, the duly authorized representatives of each party will meet together in good faith in an attempt to resolve the conflict. If this attempted resolution fails to resolve the claim or dispute, the parties agree that all claims, disputes, and other matters in question between the parties arising out of or relating to this Agreement or breach thereof first shall be submitted for non-binding mediation to any one of the following, as agreed to by the parties: American Arbitration Association, American Intermediation Service, Americord, Dispute Resolution, Inc., Endispute, or Judicate. The parties hereto agree to fully cooperate and participate in good faith to resolve the dispute(s). The cost of mediation shall be shared equally by the parties hereto. Any time expended in mediation shall not be included in calculating the time for filing arbitration.

If mediation fails to resolve the claim or dispute, the matter shall be submitted to arbitration with the American Arbitration Association under the Construction Industry rules, unless the parties agree otherwise or unless a plaintiff not a party hereto institutes litigation in a court of competent jurisdiction and said court takes personal jurisdiction over one of the parties hereto regarding the same subject matter as in dispute between the parties hereto.

No arbitration arising out of or relating to this Agreement shall include, by consolidation, joinder, or in any other manner, any additional person not a party to this Agreement except by written consent of the parties and such consent to arbitration involving an additional person(s) shall not constitute consent to arbitration of any dispute not described therein. This Agreement to

arbitrate and any agreement to arbitrate with an additional person(s) shall be specifically enforceable under the prevailing arbitration law.

The demand for arbitration shall be made within one (1) year of the date the claimant knew or should have known of the existence of the claim, dispute, or other matter but in no event later than 3 years after the date of substantial completion of the project. If the demand for arbitration is not effectuated within such times, the claim, dispute, or other matter shall be forever barred.

The decision rendered by the arbitrators shall be final, and judgement may be entered upon it in accordance with applicable law in any court having jurisdiction thereof. In the event either party makes a claim or brings an arbitration action or lawsuit against the other party for any act arising out of the performance of the services hereunder, and the claimant fails to prove such claim or action, then the claimant shall pay all legal and other costs (including attorneys' fees) incurred by the other party in defense of such claim or action.

18. Hiring of Personnel: OWNER may not directly hire any employee of the ARCHITECT. OWNER agrees that it shall not, directly or indirectly solicit any employee of the ARCHITECT from accepting employment with OWNER, affiliate companies, or competitors of ARCHITECT.
19. Site Signage: The ARCHITECT shall be permitted to install on the project premises an exterior sign of not more than 60 square feet for promotional purposes. The location of the sign shall be mutually agreed upon by OWNER and ARCHITECT, not to be unreasonably withheld by either.
20. Means and Methods: The ARCHITECT shall not have control over, charge of, or responsibility for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the work, nor shall the ARCHITECT be responsible for the constructors failure to perform work in accordance with the contract documents.
21. Evaluation of Work: The ARCHITECT shall have authority to reject work that does not conform to the contract documents, however, the ARCHITECT does not have authority to stop work at any time.
22. Buried Utilities: The OWNER will be responsible for furnishing the ARCHITECT information identifying the type of all underground utilities and verifying their specific locations. The ARCHITECT (or their subconsultant) will rely on this information and prepare a plan that shows the locations intended for connections with respect to assumed locations of underground utilities provided by the OWNER. The OWNER will approve of all locations of subsurface penetrations prior to them being made. The OWNER agrees to waive all claims and causes of action against the ARCHITECT for damages to underground improvements. The OWNER further agrees to indemnify and hold the ARCHITECT harmless from any damage, liability or cost, including reasonable attorney's fees and defense costs for any property damage, injury or economic loss arising or allegedly arising from subsurface penetrations.
23. ADA Requirements: The ARCHITECT shall make a reasonable professional effort to interpret applicable ADA requirements as they apply to this project but cannot warrant or guaranty compliance due to the fact it is civil rights legislation and open to many different interpretations.

Schedule of Invoice Rates - 2019

Hourly Staff Charges

Class 9 Personnel:	Principals	\$215/hour
Class 8 Personnel:	Principals and Senior Project Managers	\$185/hour
Class 7 Personnel:	Senior Project Managers, Architects, Engineers, Landscape Architects, Senior Interior Designers, Environmental Analysts and Construction Administrators	\$150/hour
Class 6 Personnel:	Senior Project Managers, Architects, Engineers, Landscape Architects, Senior Interior Designers, Environmental Analysts and Construction Administrators	\$125/hour
Class 5 Personnel:	Project Managers, Architects, Engineers, Landscape Architects, Environmental Analysts, Construction Administrators, Designers, Interior Designers and Surveyors	\$110/hour
Class 4 Personnel:	Project Managers, Intermediate Architects, Engineers, Designers, Interior Designers, Landscape Architects, Environmental Analysts, Construction Administrators and Surveyors	\$95/hour
Class 3 Personnel:	Graduate Architects, Engineers, Designers, Interior Designers, Environmental Analysts, Construction Administrators, Technicians, Project Assistants and Surveyors	\$80/hour
Class 2 Personnel:	Technicians, Interior Designers, Project Assistants, Graduate Architects and Surveyors	\$65/hour
Class 1 Personnel:	Project Assistants and Technicians	\$50/hour

Reimbursable Expenses

1. Fees for Program, Financial or Procurement Management services when the Owner has engaged a supplier and Architect is subject to a fee.
2. Building permit fees and plan review fees as required by the authorities having jurisdiction over projects at cost plus 10%.
3. Outside services, consultants, travel and lodging at cost plus 10%.
4. Copies, telephone, cell phone voice and data charges and office supplies will be charged through a \$25 per month Misc. Office Expense charge. This charge will not be applied to invoices under \$1,000.
5. CAD black/white plotting at 15¢ per square foot; CAD color plotting at 25¢ per square foot; CAD low density color images at 30¢ each; CAD high density color images at 50¢ each; large-format color plotting at \$9 per square foot. Postage, shipping, and lab tests at cost. Files written to CD will be minimum \$100 per drawing or \$500 maximum. Passenger vehicle mileage on projects at the IRS Standard Rate (currently 58¢ per mile). Lodging, meals, and airfare at cost. Machine rental GPS at \$250 per day. Traffic Counters at \$60 per count. Surveying supplies at 50¢ per stake.
6. Overtime expenses requiring higher than normal rates if authorized by owner.

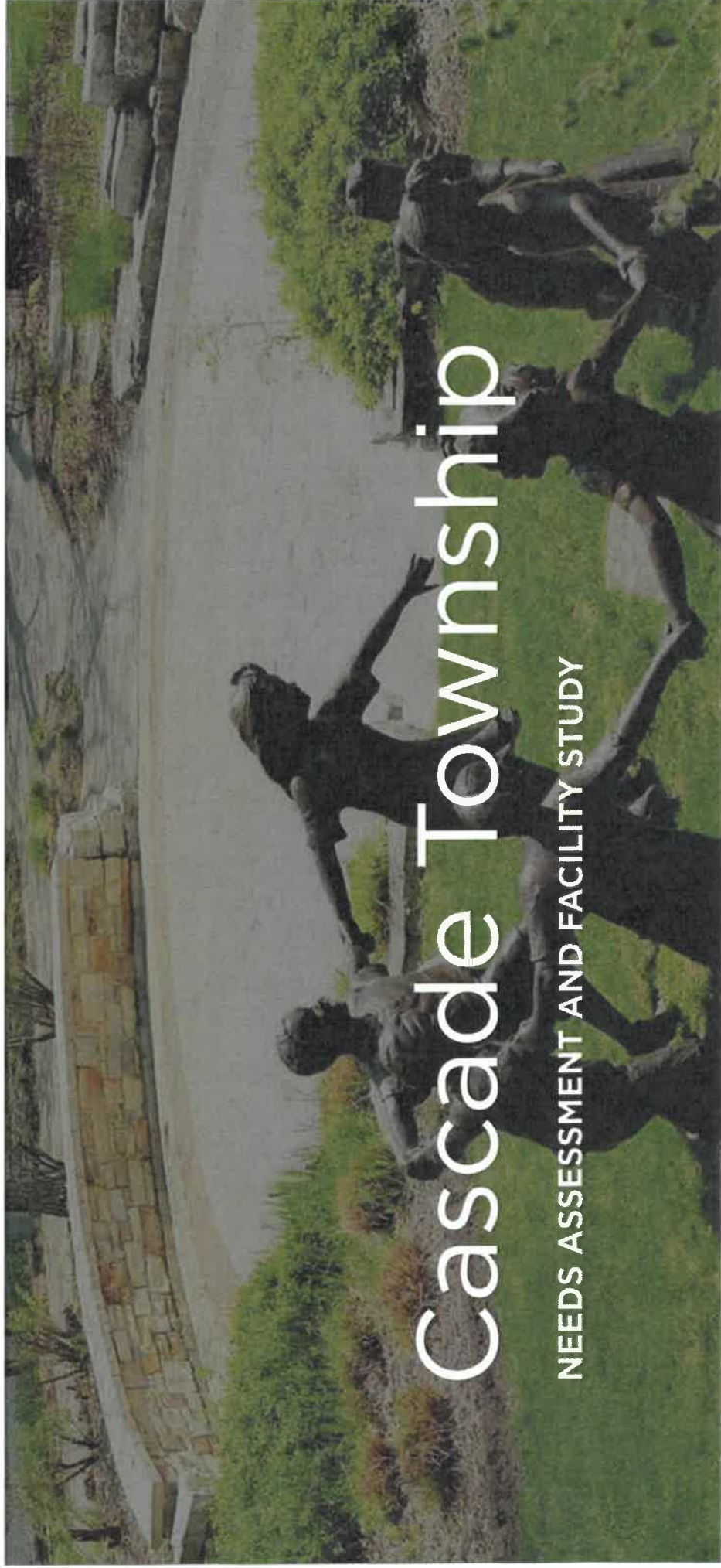
Notes:

1. Invoices are due upon receipt. Unpaid invoices shall bear interest at a rate of 1 percent per month if not paid within 30 days of the date of the invoice.
2. Special media requests may be at higher rate.
3. Hourly staff charges and expenses subject to change annually.

STD RATE

April 10, 2019

progressive | ae



Cascade Township

NEEDS ASSESSMENT AND FACILITY STUDY

DATA GATHERING PROCESS

- Building assessments
- Interviews
- Observation of operations
- Online survey
- Social media
- Community listening sessions

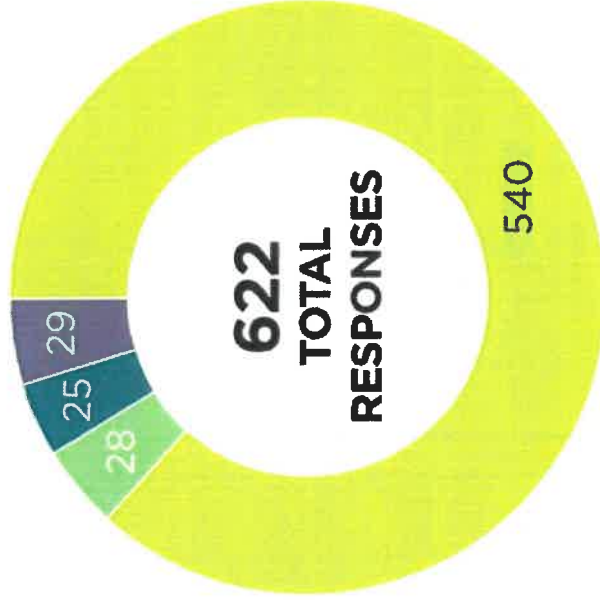
Assessments help determine which buildings are able to remain or could be re-purposed for another use.

Each space was evaluated for appropriate area, adjacencies, and layout for the functions served. Storage needs, growth projections, and changes in program were investigated to be used for future decision making.

If a facility was at the end of its useful life, we did not recommend to reuse it.

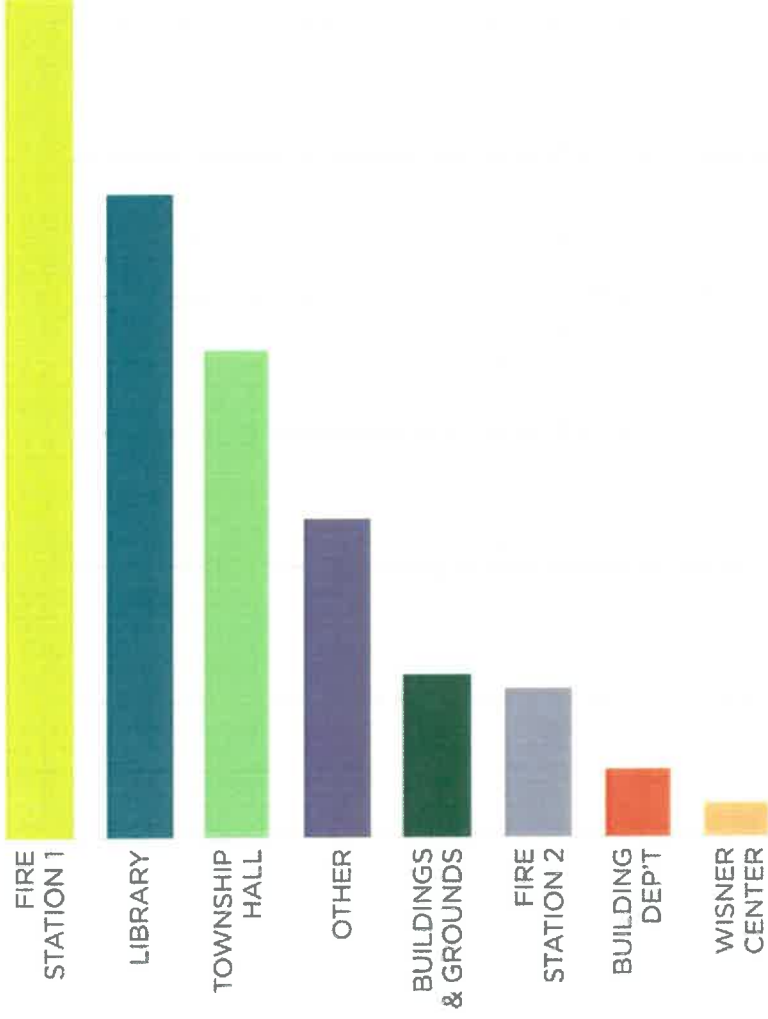
WHAT RESPONDENTS LIKE ABOUT CASCADE TOWNSHIP?

- Amenities
- Convenience & Connectivity
- Safety
- Community / Village Feel
- Rivers, Trails, Paths
- Connection to Nature
- Library & Gathering
- Schools
- Family Friendly



- Resident
- Business Owner/Operator
- Both
- Other

If the township were to invest in existing or new facilities, how would you **rank the priority** of this investment?



SURVEY WRITE-IN COMMENTS

"I think it's important that our firefighters have facilities that are up-to-date, safe, and reliable."

"Education is important; the library is a source for education. I'd like to see the library able to offer adult ed classes."

"The township hall is the hub of services. If the space is cramped it can hinder efficiency."

"I think we should invest in our people and the facilities that serve our people most."

Respondent comments on township facilities

"They were real nice and I don't see why they can't continue with the existing space."

"All could stand to be updated."

"Functional and adequate public spaces."

"Lacking, dilapidated, over-crowded."

"Outdated but clean and organized."

"Welcoming, clean, professional."

"Most present well but definitely need upgrades and/or improvements."

Public opinion indicated these buildings are in the best shape:



LIBRARY
WISNER CENTER
PARKS

And that these buildings need the most help:



FIRE STATION 1
TOWNSHIP HALL

Are there any services you wish Cascade Township provided?

Responses indicate an overall level of satisfaction with the township's service offerings, but that respondents would like to add:

- 1 Leaf Clean-Up
- 2 Township Center
- 3 Shared Amenities
- 4 Internet
- 5 Online Clerk Services



- No, I'm happy with Cascade Township's current services.
- Yes, I'd like to see additional services (please describe)

SURVEY RESPONDENTS ASKED TO KEEP INCREASING:

- Fire Coverage
- City Water
- Parks/River Access
- Bike Paths
- Parks & Rec Programming

Almost 80% of Cascade Township is satisfied with the current services!

COMMUNITY ENGAGEMENT

What is the desired future for Cascade Township?

The community ranked the following attributes:

- 1** Township center & green space for events
- 2** New / improved emergency services / coverage
- 3** Planned development / controlled growth
- 4** Small town feel / sense of place
- 5** Preserve & enhance recreation, natural assets



COMMUNITY ENGAGEMENT

Where should priority be placed?

KEY COMMENTS:
Separate Fire station from Township Hall
Should prioritize Fire station #3
Expand Wisner/Library for Community Center



ASSESSMENTS

CASCADE TOWNSHIP PARK MAINTENANCE

The building exterior and site need significant work. A project is planned to address these items, and our investigation did not uncover any functional or infrastructure needs not planned to be addressed through maintenance.

OVERALL CONDITION:



TASSEL PARK MAINTENANCE & RESTROOMS

The buildings are in acceptable condition for their age and serve their purpose well. Minor exterior improvements are needed.



OVERALL CONDITION:



BUILDINGS & GROUNDS

This building and site were recently renovated to house the Buildings and Grounds Department and are adequate for the use. Additional staff and maintenance vehicle parking should be explored.

OVERALL CONDITION:



BUILDING DEPARTMENT

The Building Inspections Department recently relocated to a leased facility to make room for the remainder of administrative services at township hall.

- New space is adequate for the department.
- Space and economic efficiencies could be realized by collocating with other township services.
- Proximity to other township services helps with convenience for township residents.
- Options should be explored to eliminate the lease payment.





LIBRARY

The building is in good condition and has been well maintained. However, it is showing its age. Updates could be made to improve the library's ability to serve the public into the future:

- Rework information and circulation desks to provide more flexible space for programming.
- Increase space for study groups.
- Add area for increased children's programming.
- Improve access to outdoor green space for programming.

OVERALL CONDITION:



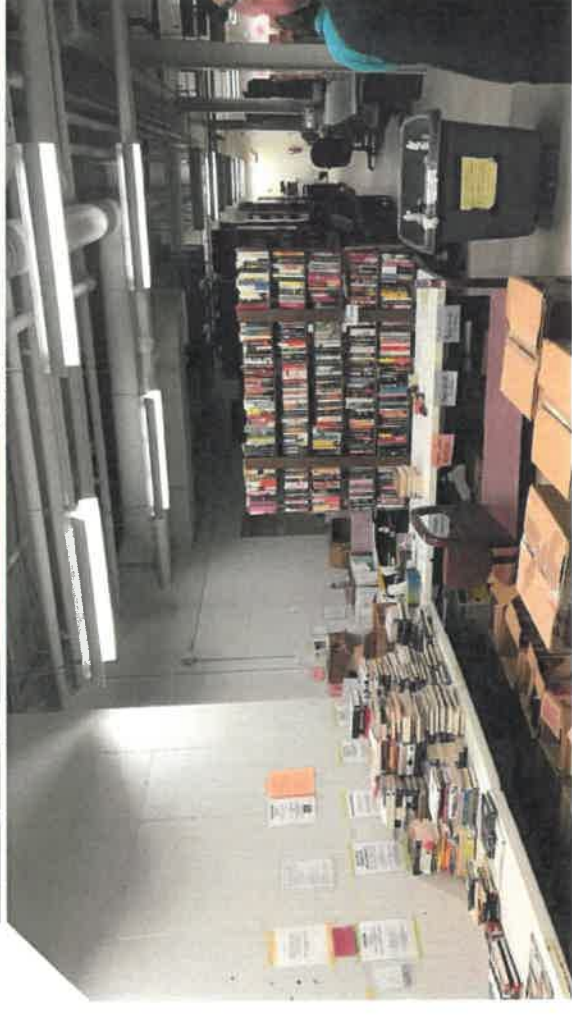


WISNER CENTER

The building is in good condition and has been well maintained. It functions well for the intended purposes.

- Interior finishes are showing signs of normal wear and tear; a plan should be developed to address future replacement.
- Continue to seek opportunities to support internal operations and community amenities on this site.

OVERALL CONDITION:





FIRE STATION 2

This facility functions well and is safe for the firefighters and community.

- Consider opportunity to expand training area now that the Buildings and Grounds Department has relocated.
- Plan for future updates and replacements of aging building systems.

OVERALL CONDITION:



TOWNSHIP HALL

This building is old, needs significant repair, and doesn't function well for users.

- Size of the facility prevents the township's administrative services from being consolidated in the same building.
- Limited visibility to the parking lot and entry poses security risks.
- Interior organization limits functional work processes.
- Mechanical systems are not operating adequately and efficiently.
- Interior ramping and clearances do not meet current codes.
- Township hall visitor access combined with the fire station traffic poses safety concerns.

OVERALL CONDITION:



FIRE STATION 1

This building is old, needs significant repair, and doesn't function well for the fire department.

- Positioning behind township hall on the site poses safety concerns in emergencies.
- Lack of visibility and separation at entry are security risks.
- Apparatus bays are too small and don't comply with current requirements.
- Mechanical systems are not operating adequately and efficiently.
- Interior spaces and circulation are tight for fire fighters to move quickly and safely when preparing for emergency.
- Staff living quarters are undersized and don't provide for gender separation.
- Undersized living quarters limit the firefighter's ability to navigate safely in emergencies.

OVERALL CONDITION:



RECOMMENDED PRIORITIES



Based on the results of the investigation, observation, interviews, and community input gathered in this study, Progressive AE has developed the following recommended priorities for future investment in the township:

- 1** FIRE STATION **1**
- 2** TOWNSHIP **HALL**
- 3** NEW EMERGENCY **SERVICES**
- 4** TOWNSHIP **CENTER**

These are listed in order of importance with replacement of Fire Station 1 being our highest priority.

1 FIRE STATION 1

Fire Station 1 needs additional building area to provide a safe environment.

- The department has outgrown a facility that currently does not meet all building codes.
- A safe separation does not exist between the visitor entry and the internal operational area of the fire station.
- Vehicular and pedestrian traffic on the site creates conflict and is unsafe.
- Staff living quarters are undersized and do not allow for separation between genders and adequate circulation during emergencies.
- Vehicle apparatus bays are too low for trucks and cannot accommodate all equipment. This requires extra time to keep outdoor vehicles clear and ready for emergency response.
- Mechanical systems and building envelope are not adequate.

ISSUES

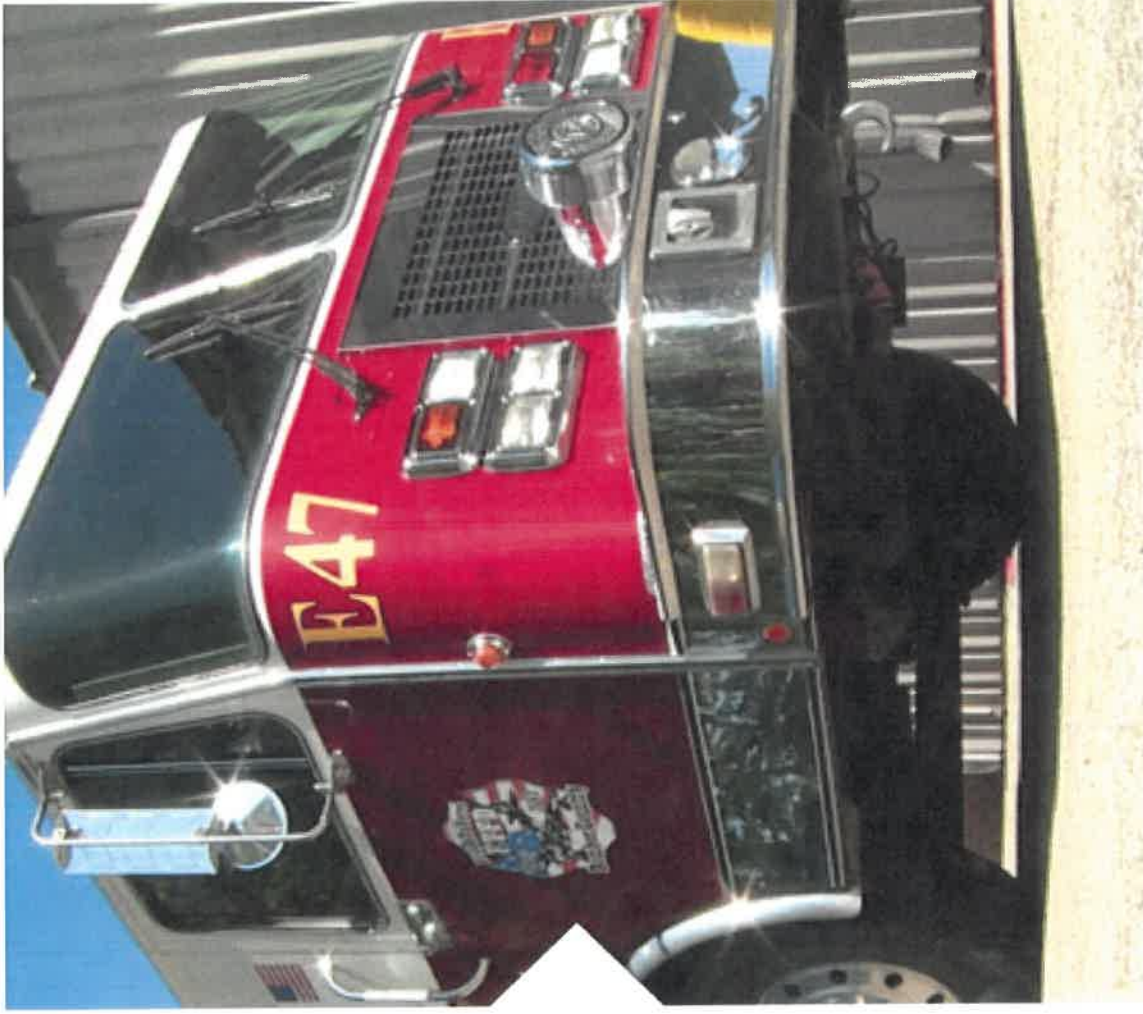


OPPORTUNITIES

1 FIRE STATION 1

Fire Station 1 needs additional building area to provide a safe environment.

- A. Relocate the connected township hall to allow the fire station to expand.
 - + Makes use of township property for emergency services.
 - Location is not as visible or directly accessible from major roadways.
- B. Identify an alternate location for the station between I-96 and the Thornapple River.
 - + Improve current coverage area
 - + Increase visibility and access



2 TOWNSHIP HALL

The centralization of all administrative services into one facility or campus would increase efficiency and simplify wayfinding.

- Connection to Fire Station 1 constrains the station's ability to grow and safely circulate throughout the site.
- Size of facility prevents the township's administrative services to be consolidated in the same building.
- Organization of the existing facility is outdated and prevents the township from realizing operational efficiencies to support current and future delivery of departmental services.
- Mechanical systems and building envelope are not adequate.

ISSUES



2 TOWNSHIP HALL

The centralization of all administrative services into one facility or campus would increase efficiency and simplify wayfinding.

- A. Remain on current property and repurpose existing building.
 - + Makes use of existing property
 - Would require significant facility and infrastructure updates
- B. Collocate on library and Wisner Center campus.
 - + Space and operational efficiencies
 - + Leverages property that is already owned by the township
- c. Identify an existing space to purchase.
 - + Potentially reduce scope of building/remodeling project



3 NEW EMERGENCY SERVICES

Steady growth in Cascade Township has created a need for additional emergency coverage in the southwest portion of the Township.

- Existing fire stations are disconnected from south end of township by rivers, highways, and airport extending emergency response times.
- Current partnerships with other local jurisdictions may not ensure priority coverage.
- Emergency response from Stations 1 and 2 to the southern end of the township leaves potential gaps in coverage for the remainder of the township.



ISSUES

OPPORTUNITIES

3 NEW EMERGENCY SERVICES

Steady growth in Cascade Township has created a need for additional emergency coverage in the southwest portion of the Township.

- A. Formalize partnership with other area emergency services
 - + This would be a more immediate solution
 - This may not provide dedicated service
- B. Build a new facility
 - + The township owns land in this region
 - + Service would be dedicated to Cascade Township
 - Requires time and funding for new project



OPPORTUNITIES

4 TOWNSHIP CENTER

Cascade Township lacks a physical presence to anchor the community and connect residents around shared events, services, and amenities.

- A. Utilize property surrounding Library and Wisner Center
 - + This would make use of land owned by the township
 - This is not a walkable area
- B. Identify a location adjacent to other existing amenities
 - + Could be walkable and connected to the river, parks, and/or local businesses
 - Property may not be currently owned by the township





Based on the results of the investigation, observation, observation, interviews, and community input gathered in this study, Progressive AE has developed the following recommended priorities for future investment in the township:

- 1** FIRE STATION **1**
- 2** TOWNSHIP **HALL**
- 3** NEW EMERGENCY **SERVICES**
- 4** TOWNSHIP **CENTER**