

**AGENDA  
CASCADE CHARTER TOWNSHIP  
REGULAR BOARD MEETING**

Wednesday, May 8, 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 Board Meeting Minutes 04/24/2019.
- b. Receive and File Reports
  1. Building Monthly Report for April, 2019.
  2. Treasurers Department Monthly Report for March, 2019.
- c. Receive and File Communications
  1. Draft Letter to MTA – re: Proposed Legislation
  2. Letter from Charter Communications – re: Channel Changes.
  3. Letter from Comcast – re: Price Changes.
- d. Education Requests
  1. Roger McCarty/Jennifer Genter – Michigan Assessor Association Conference – August 11-14, 2019 – Thompsonville, MI.

**Article 7. Financial Actions**

- a. **Consider Approval of April, 2019 Financial Reports.**

**Article 8. Unfinished Business**

**Article 9. New Business**

**028-2019 Consider Approval for Sewer Connection at Burton Park Maintenance Building.**

**029-2019 Consider Approval of Fire Department – Zodiac Boat Disposition.**

- 030-2019      Consider Approval of Proposal for Thornapple River Sediment Testing from Fishbeck, Thompson, Carr and Huber.**
- 031-2019      Consider Appointments to Various Boards and Commissions**

- Article 10.      Public Comments – Any comments...whether it is on the Agenda or not.  
(limit comments to 3 minutes)**
- Article 11.      Manager Comments**
- Article 12.      Board Member Comments**
- Article 13.      Adjournment**

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

Wednesday, April 24, 2019  
7:00 P.M.

- Article 1.** Supervisor Beahan called the meeting to order.  
Present: Supervisor Beahan, Clerk Slater, Treasurer Peirce, Trustees Koessel, McDonald, Shipley and Lewis.  
Absent: None  
Also Present: Manager Swayze, Fire Chief Magers 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 Lewis and supported by Trustee Koessel to approve the Agenda as presented. Motion carried unanimously.
- Article 4. Presentations**  
a. Presentation of Lifesaving Award by Cascade Township Fire Department. Chief Magers presented Deb Probst and Katie Sloat with the Cascade Township Fire Department Lifesaving Award for their heroic actions on the Night of March 21, 2019.
- 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 Board Meeting Minutes 04/10/2019.  
b. Receive and File Reports  
1. Building Monthly Report for March, 2019  
c. Education Requests  
1. Roger McCarty/Jennifer Genter – 2019 International Association of Assessing Officers Conference – September 8-11, 2019 – Niagra Falls, Ontario.  
Motion was made by Trustee Shipley and supported by Clerk Slater to approve the Consent Agenda as presented. Motion carried unanimously.
- Article 7. Financial Actions**
- Article 8. Unfinished Business**
- Article 9. New Business**  
**026-2019 a. Public Hearing – Cascade Charter Township Buildings and Services Study.**  
Motion was made by Trustee Koessel and supported by Trustee Shipley to open the Public Hearing. Motion carried unanimously.  
Manager Swayze offered background information regarding the Buildings and Services Study.  
The Progressive A&E team was present to review their findings and recommendations/opportunities.  
Manager Swayze made some recommendation from the staff on what our next steps should be.

Public Comments included written correspondence from David Mulson, which was read by Manager Swayze. Motion was made by Trustee Koessel and supported by Trustee Shipley to reconvene into regular session. Motion carried unanimously.

**b. Consider the Cascade Charter Township Buildings and Services Study and Direct Staff to Initiate Recommended Next Steps.**

Motion was made by Treasurer Peirce and supported by Trustee Shipley to approve the Cascade Charter Township Buildings and Services Study and Direct Staff to Initiate Recommended Next Steps. Motion carried unanimously.

**027-2019 Consider Appointments to Various Boards and Commissions**

Motion was made by Trustee Koessel and supported by Trustee Shipley to approve the recommendations made by Supervisor Beahan to the Construction Board of Appeals. Motion carried unanimously.

**Article 10. Public Comments – Any comments...whether it is on the Agenda or not. (limit comments to 3 minutes)**

Ron McCullen, 6660 Old 28<sup>th</sup> St., commented on investing on our infrastructure. Jeff Dionne, 2984 Thornapple River Dr., addressed the Board regarding the purchase of the new Fire Boat and the need to establish quick and rapid access to a river emergency.

**Article 11. Manager Comments**

Manager Swayze offered the following comments:

- Great to see the presentation from the Fire Department tonight, I will let you know we will have another presentation from the Fire Department at our next meeting. A promotion ceremony will start at 6:00 p.m.

**Article 12. Board Member Comments**

Clerk Slater offered the following comments:

- Relayed to Manager Swayze job well done on the presentation this evening.

Trustee Koessel offered the following comments:

- Addressed the audience regarding the Township Buildings and Services Study.

Trustee Shipley offered the following comments:

- Thanked the audience for being in attendance.
- Appreciates the residents input into the Township.

**Article 13. Adjournment**

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

Meeting adjourned at 8:19 p.m.

Respectfully submitted,

Denise M. Biegalle  
Deputy Clerk

Approved by:

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Susan B. Slater, Clerk

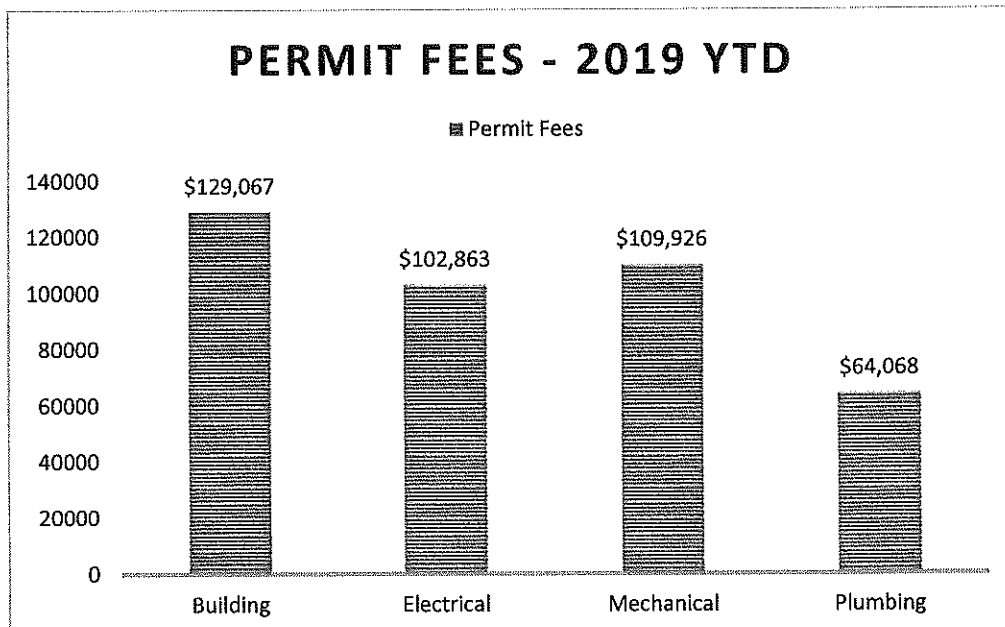
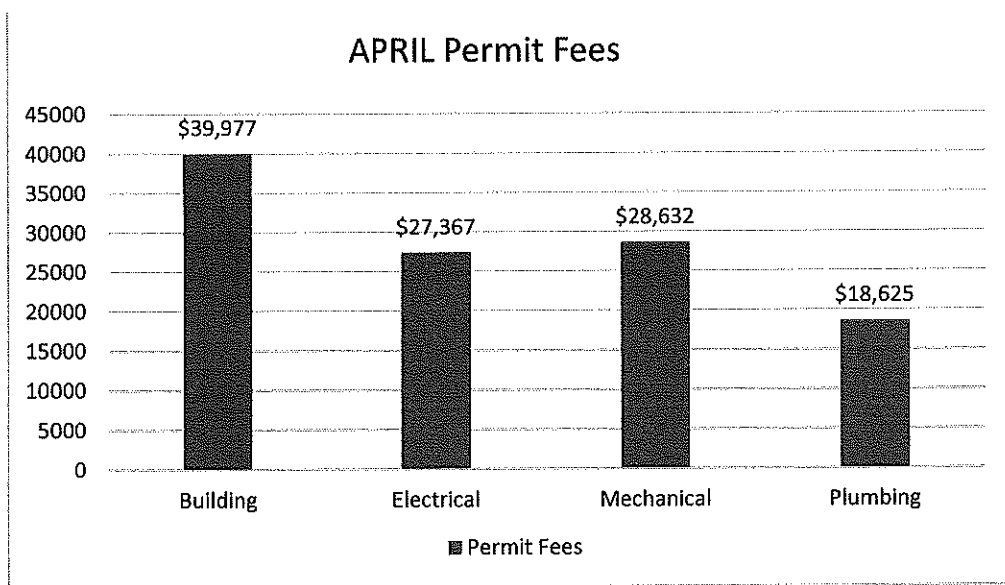
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Robert S. Beahan, Supervisor

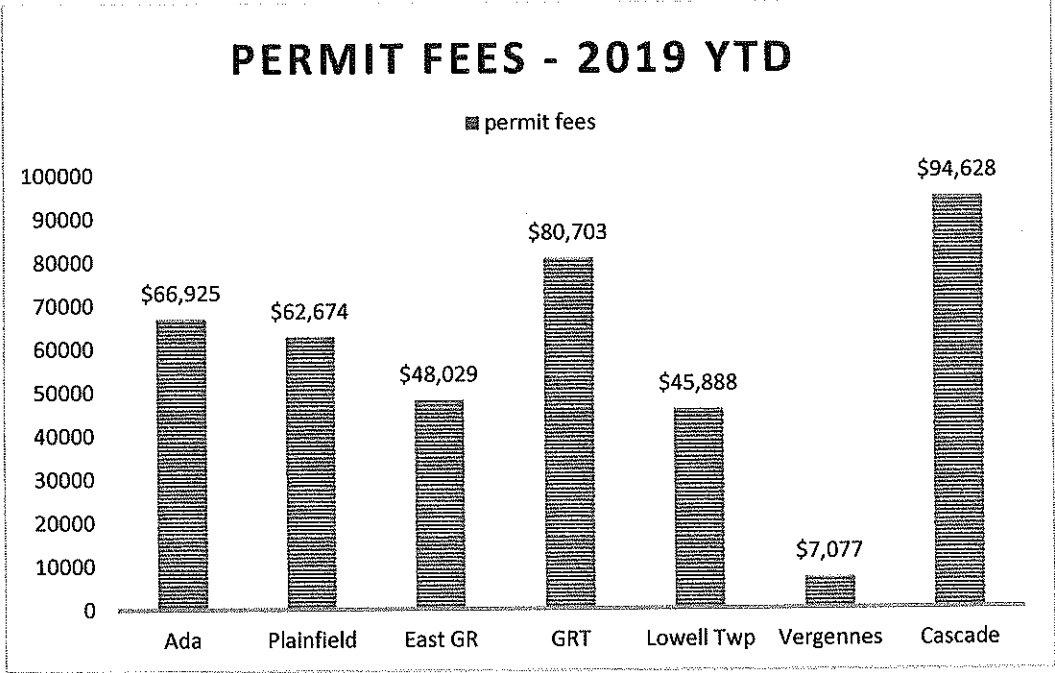
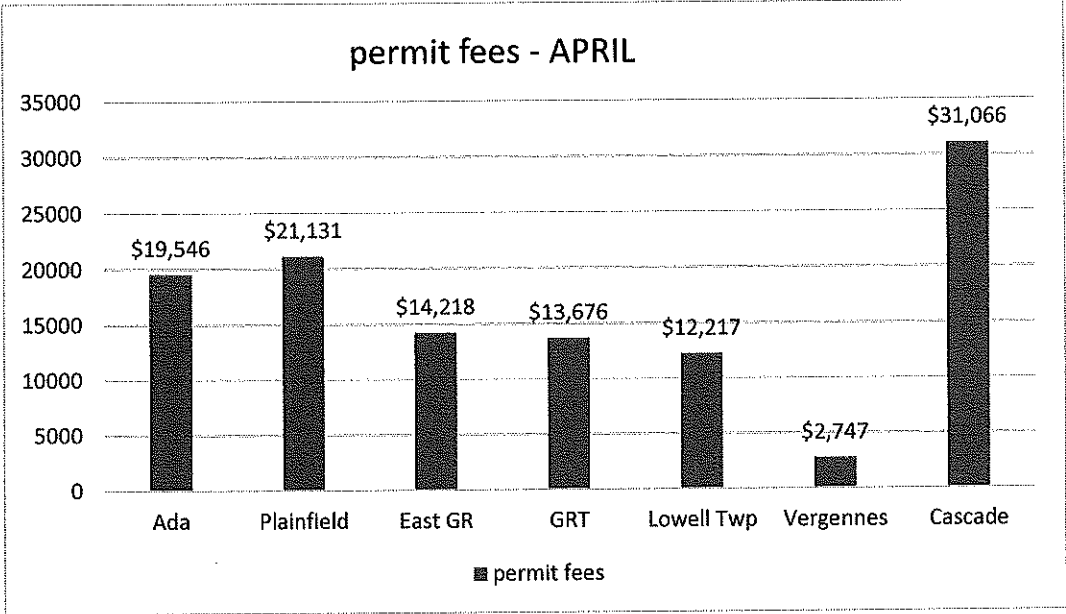
# Cascade Inspection Services

APRIL 2019

## Permit Fees by Type



# Permit Fees by Municipality



Township	#of Per Building	#of Per Electrical	# of Per Mechanical	# of Per Plumbing	Total Permits	Total Fees				
PREV YTD TOTAL	282	\$89,090.00	428	\$75,496.00	677	\$81,294.00	280	\$45,443.00	1667	\$291,323.00
APRIL										
Cascade	54	\$13,574.00	41	\$6,616.00	73	\$7,656.00	27	\$3,220.00	195	\$31,066.00
Lowell Twp	18	\$8,400.00	7	\$1,051.00	11	\$1,315.00	9	\$1,451.00	45	\$12,217.00
Ada	31	\$8,198.00	22	\$3,601.00	41	\$4,920.00	20	\$2,827.00	114	\$19,546.00
Vergennes			8	\$785.00	12	\$1,525.00	3	\$437.00	23	\$2,747.00
GR Twp	22	\$4,417.00	26	\$4,761.00	28	\$2,395.00	16	\$2,103.00	92	\$13,676.00
EGR	29	\$5,388.00	26	\$2,802.00	35	\$3,510.00	22	\$2,518.00	112	\$14,218.00
Plainfield			56	\$7,751.00	62	\$7,310.50	38	\$6,069.00	156	\$21,130.50
<b>MONTH TOTAL</b>	<b>154</b>	<b>\$ 39,977.00</b>	<b>186</b>	<b>\$ 27,367.00</b>	<b>262</b>	<b>\$ 28,631.50</b>	<b>135</b>	<b>\$ 18,625.00</b>	<b>737</b>	<b>\$114,600.50</b>

2019 YTD	436	\$ 129,067.00	614	\$ 102,863.00	939	\$ 109,925.50	415	\$ 64,068.00	2404	\$ 405,923.50
TOTAL -2018	1705	\$ 920,876.00	2116	\$ 380,754.00	3585	\$ 456,603.00	1654	\$ 238,664.00	9060	\$ 1,996,897.00
TOTAL-2017	1758	\$ 753,389.00	2210	\$ 376,979.00	3273	\$ 412,867.25	1485	\$ 219,324.00	8726	\$ 1,762,559.25
TOTAL-2016	1475	\$529,552.24	1992	\$310,463.00	3217	\$383,718.00	1404	\$190,762.00	8088	\$ 1,414,495.24
TOTAL-2015	1510	\$ 665,025.51	1948	\$ 327,865.00	3070	\$ 385,822.30	1361	\$ 216,089.00	7889	\$ 1,594,801.81
TOTAL-2014	1354	\$ 615,191.80	1780	\$ 297,971.00	2860	\$ 359,989.90	1257	\$ 196,553.00	7251	\$ 1,469,705.70
TOTAL-2013	1241	\$644,712.00	1667	\$288,442.06	2583	\$334,045.70	969	\$142,474.00	6460	\$ 1,409,673.76
TOTAL-2012	1,122	\$511,272.00	1,349	\$188,766.99	2,134	\$247,625.30	835	\$118,335.00	5,440	\$ 1,065,999.29
TOTAL-2011	949	\$410,550.75	990	\$148,549.50	1585	\$189,180.10	753	\$111,023.00	4277	\$ 859,303.35
TOTAL-2010	850	\$309,779.00	1330	\$162,994.00	1644	\$188,927.25	625	\$94,790.00	4449	\$ 756,490.25
TOTAL-2009	712	\$222,039.00	875	\$125,848.00	1313	\$149,101.75	554	\$74,397.00	3463	\$ 571,382.75
TOTAL-2008	848	\$582,100.75	1043	\$147,674.00	1348	\$164,271.30	697	\$91,695.00	3933	\$ 951,266.55
TOTAL-2007	1032	\$336,749.55	1069	\$137,857.00	1447	\$151,002.60	778	\$98,270.00	4326	\$ 723,879.15
TOTAL-2006	1181	\$481,673.30	1547	\$215,121.00	2147	\$243,076.90	1243	\$162,020.00	5173	\$ 940,523.41
TOTAL-2005	1032	\$419,355.30	1369	\$191,694.00	1874	\$211,234.15	1111	\$144,926.00	5386	\$ 967,209.45



**CASCADE CONSOLIDATED FEES**

YEAR 2019

MONTH	Building		Electrical	Mechanical	Plumbing	TOTAL
	Comm.	Residential				
JANUARY	\$2,395.00	\$3,398.00	\$4,084.00	\$5,960.00	\$3,517.00	\$19,294.00
FEBRUARY	\$1,177.00	\$4,855.00	\$9,292.00	\$5,248.00	\$4,621.00	\$25,193.00
MARCH	\$2,700.00	\$6,501.00	\$3,700.00	\$3,770.00	\$2,404.00	\$19,075.00
APRIL	\$12,168.00	\$6,366.00	\$6,616.00	\$7,656.00	\$3,220.00	\$36,026.00
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
<b>YEAR END TOTAL</b>	<b>\$18,380.00</b>	<b>\$21,120.00</b>	<b>\$23,692.00</b>	<b>\$22,634.00</b>	<b>\$13,762.00</b>	<b>\$99,588.00</b>
PERMIT # FOR MONTH	10	44	41	73	27	195
PREV PERMIT TOTAL	29	64	80	124	63	360
PERMIT TOTAL FOR YR	39	108	121	197	90	555
YEAR TO DATE	2019	\$99,588.00				
YEAR TO DATE	2018	\$140,370.55				
UNDER	\$40,782.55					

# CASCADE SINGLE FAMILY HOMES

	APRIL	YTD 2019	2018	2017	2016
Number of Permits					
New Residential Homes	1	10	43	57	56
VALUE - RESIDENTIAL	\$ 270,477.00	\$ 3,754,940.00	\$ 28,327,352.00	\$ 32,980,308.00	\$ 24,019,640.00

# Cascade Twp -Permit Report by Category/ Fee

4/1/2019 12:00:0 to 4/30/2019 12:00:

Permit	Applicant	Address	Issue Date	Project Value	Permit Fee	Work Description
Res. Single Family						
PB19000029	LEHMAN JARED	3624 THORNAPPLE RIVER DR S	04/05/2019	270,477	737.00	RESIDENCE W/FINISHED BASEMI
				270,477	737.00	

1	Permits	Value Total	737.00	737.00	Fee Total
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**TREASURER'S DEPARTMENT**  
**CASCADE CHARTER TOWNSHIP**  
**TAX ACCOUNTS**  
**MARCH 2019**

**BANK BALANCES**

**TOWNSHIP BALANCES**

BANK	AMOUNT
<b><u>FLAGSTAR BANK</u></b>	
TAX CHECKING	\$1,693.78

REGISTER	AMOUNT
<b><u>FLAGSTAR BANK</u></b>	
TAX CHECKING	\$1,693.78

<b><u>FLAGSTAR BANK</u></b>	
DELINQUENT TAX	\$32,588.06

<b><u>FLAGSTAR BANK</u></b>	
DELINQUENT TAX	\$32,588.06

<b><u>FLAGSTAR BANK</u></b>	
TAX WIRE ACCT	\$99.18

<b><u>FLAGSTAR BANK</u></b>	
TAX WIRE ACCT	\$99.18

<b>GRAND TOTAL</b>	<b><u><u>\$34,381.02</u></u></b>
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<b>GRAND TOTAL</b>	<b><u><u>\$34,381.02</u></u></b>
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*Oxana Sourine*      4/22/2019

Submitted by  
OXANA SOURINE  
DEPUTY TREASURER

Date

*Kenneth B. Peirce* 4/24/19

Reviewed by  
KENNETH B. PEIRCE  
TREASURER

Date

CASCADE CHARTER TOWNSHIP  
TREASURER'S OFFICE REPORT

MARCH 2019

FUND	INSTITUTION	DEMAND DEPOSIT		CDs			SECURITIES			TOTALS	
		\$	%	\$	%	DATE	\$	%	DATE	\$	%
101 GENERAL FUND	FLAGSTAR	519,698.27	0.80								
	FLAGSTAR MMA	505,208.88	1.40								
	KENT CTY POOL	1,141,583.83	2.23								
	MI CLASS	2,197,112.41	2.55								
	INDEPENDENT			312,369.49	1.20	9/27/2019					
	MERCANTILE			524,560.03	2.00	7/26/2019					
	COMERICA BANK			528,848.86	1.61	9/23/2019					
	HORIZON BANK			512,673.60	2.80	3/9/2020					
	GRAND RIVER			500,000.00	1.55	6/19/2019					
	CONSUMERS CU			255,959.76	0.80	7/8/2019					
	MACATAWA			262,944.89	2.80	5/21/2020					
	PRIVATE BANK/CIBC			500,000.00	1.50	3/15/2020					
	COMERICA SECUR /WF						500,000.00	2.80	8/17/2020		
	COMERICA SECUR /BONDS						1,000,000.00	2.10	4/1/2019		
	COMERICA SECUR /CP						999,876.34	2.34	11/30/2019		
<b>TOTAL GENERAL FUND</b>		<b>4,363,603.39</b>	<b>2.12</b>	<b>3,397,376.63</b>	<b>1.82</b>		<b>2,499,876.34</b>	<b>2.34</b>		<b>10,260,856.36</b>	<b>2.07</b>
151 CEMETERY	LMCU	109,391.25	0.50							109,391.25	0.50
206 FIRE FUND	FLAGSTAR	195,308.93	1.40								
	MI CLASS	1,131,867.33	2.55								
	COM CHOICE CU			261,290.23	3.05	4/18/2021					
	LEVEL ONE			266,244.86	2.30	11/21/2019					
	MACATAWA			304,197.50	2.18	7/26/2019					
	ADVENTURE CU			255,693.63	1.50	3/23/2020					
	COMERICA SECUR /CP						991,248.61	2.40	5/28/2019		
	COMERICA SECUR /FHLMC						500,000.00	1.50	9/13/2019		
<b>TOTAL FIRE FUND</b>		<b>1,327,176.26</b>	<b>2.38</b>	<b>1,087,426.22</b>	<b>2.26</b>		<b>1,491,248.61</b>	<b>2.10</b>		<b>3,905,851.09</b>	<b>2.24</b>
207 POLICE FUND	FLAGSTAR	405,696.98	1.40								
	NORTHPOINTE BANK			264,005.12	2.30	5/9/2020					
	FLAGSTAR			250,000.00	2.50	7/15/2019					
	PRIVATE BANK			759,534.49	1.85	9/25/2019					
	FIRST COMMUNITY BANK			250,000.00	1.00	3/13/2020					
<b>TOTAL POLICE FUND</b>		<b>405,696.98</b>	<b>1.40</b>	<b>1,523,539.61</b>	<b>1.90</b>					<b>1,929,236.59</b>	<b>1.79</b>
208 HAZMAT FUND	LMCU	27,371.15	0.35							27,371.15	0.35
209 OPEN SPACE	CHEMICAL	9,438.15	0.80								
	MI CLASS	366,411.96	2.55								
	CHEMICAL			400,000.00	1.75	4/18/2019					
<b>TOTAL OPEN SPACE</b>		<b>375,850.11</b>	<b>2.51</b>	<b>400,000.00</b>	<b>1.75</b>					<b>775,850.11</b>	<b>2.12</b>
DAM REPAIR	MI CLASS	357,925.90	2.55								
	LMCU			328,971.95	2.50	3/10/2020					
<b>TOTAL DAM REPAIR</b>		<b>357,925.90</b>	<b>2.55</b>	<b>328,971.95</b>	<b>2.50</b>					<b>686,897.85</b>	<b>2.53</b>
216 PATHWAY FUND	MACATAWA	336,438.97	0.45								
	MI CLASS	301,539.99	2.55								
	PRIVATE BANK/CIBC			503,000.00	2.05	10/17/2020					
	GRAND RIVER			500,000.00	2.40	10/4/2019					
	ADVENTURE CU			541,910.74	2.60	4/9/2020					
<b>TOTAL PATHWAY FUND</b>		<b>637,978.96</b>	<b>1.44</b>	<b>1,544,910.74</b>	<b>2.36</b>					<b>2,182,889.70</b>	<b>2.09</b>
246 PUBLIC UTILITY IRF	FLAGSTAR	158,111.58	1.40								
	MI CLASS	831,697.93	2.55								
	CHEMICAL BANK			514,640.80	2.25	1/5/2020					
<b>TOTAL PUBLIC UTILITY</b>		<b>989,809.51</b>	<b>2.37</b>	<b>514,640.80</b>	<b>2.25</b>					<b>1,504,450.31</b>	<b>2.33</b>
248 DDA FUND	FLAGSTAR	250,667.41	1.40								
	MI CLASS	830,264.96	2.55								
	UNION BANK			250,000.00	2.70	8/26/2020					
	ADVENTURE CU			204,555.90	1.50	2/24/2020					
	<b>TOTAL DDA FUND</b>		<b>1,080,932.37</b>	<b>2.28</b>	<b>454,555.90</b>	<b>2.16</b>					<b>1,535,488.27</b>
249 BLDG. INSPECTION	FLAGSTAR BANK	133,510.04	1.40								
	FLAGSTARL BANK R.	49,594.38	1.40								
	MI CLASS	301,539.99	2.55								
	CONSUMERS CU			305,310.87	1.00	3/10/2020					
	CHEMICAL BANK			500,000.00	1.55	10/28/2019					
	CHEMICAL BANK			300,000.00	1.75	4/30/2019					
	FNB OF AMERICA			301,649.26	1.80	10/19/2020					
	FNB OF AMERICA			105,533.99	1.85	12/18/2020					
	FNB OF AMERICA			208,934.50	1.60	9/18/2019					
	FNB OF MI			529,133.59	2.70	2/11/2020					
	5/3 BANK			257,604.00	2.00	12/4/2019					
	INDEPENDENT BANK			310,211.97	1.40	6/16/2019					
<b>TOTAL BLDG. INSPECT.</b>		<b>484,644.41</b>	<b>2.12</b>	<b>2,818,378.18</b>	<b>1.79</b>					<b>3,303,022.59</b>	<b>1.84</b>
270 LIBRARY FUND	UNITED BANK	536,171.19	0.40								
	MI CLASS	455,603.50	2.55								
	LMCU			428,459.83	2.65	3/27/2020					
	WMCB			258,829.54	2.60	6/1/2020					
	NORTHPOINTE BANK			547,852.06	2.00	4/7/2020					
<b>TOTAL LIBRARY FUND</b>		<b>991,774.69</b>	<b>1.39</b>	<b>1,235,141.43</b>	<b>2.35</b>					<b>2,226,916.12</b>	<b>1.92</b>
701 T & A	CHEMICAL BANK	88,647.53	0.80							88,647.53	0.80
701 JAMES TIMMONS	CHEMICAL BANK			12,400.00	2.00	3/21/2022				12,400.00	2.00
701 JACK SMITH INV.	CHEMICAL BANK	22,985.98	0.75							22,985.98	0.75
701 HENRY KRAMER	CHEMICAL BANK	15,288.50	0.75							15,288.50	0.75
<b>TOTAL</b>		<b>11,279,076.99</b>	<b>2.05</b>	<b>13,317,341.46</b>	<b>2.01</b>		<b>3,991,124.95</b>	<b>1.65</b>		<b>28,587,543.40</b>	<b>2.06</b>

Submitted by *Oxana Sourine* 2/24/19  
Oxana Sourine Deputy Treasurer

Reviewed by *Ken Peirce* 4/24/19  
Ken Peirce Treasurer



## CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

May 9, 2019

Larry Merrill  
Executive Director - MTA  
512 Westshire Dr.  
Lansing, MI 48917

Dear Mr. Merrill,

On behalf of the Cascade Charter Township Board, I want to express my appreciation to MTA for reaching out to member organization regarding the to-be-proposed legislation regarding optional non-partisan elections for Townships. I understand that this is a complicated topic, and MTA reaching out to gain better understanding of the thoughts of its member organizations prior to taking a policy stance is the appropriate course of action.

Review of this issue was tasked to the Cascade Township Governance Committee ( a standing committee of three Township Board members) to make a recommendation to the Township Board regarding the request from the MTA regarding a resolution either in support or against the issue. After discussion, the Township Board respectfully declines to take a position on this issue at this time.

While the Cascade Charter Township Board supports local decision-making authority, there is simply too little detail regarding this proposal for the Township Board to take a policy position. Among the unanswered questions of the Board:

- Whom has the authority to enact the “option” for non-partisan elections. The Township Board? A vote of the residents?
- How would primary elections be structured should a local Township election be non-partisan?
- Can the “option” for non-partisan elections be rescinded if it is determined that it was not in the best interest of the Township?

Again, the Cascade Charter Township Board appreciates the option to be an active participant in this discussion as the MTA makes a determination on its policy stance, and we hope the MTA will continue to engage member organizations on this specific issue as more details of the proposal are made available. If you have any further questions, or would like further clarification, I can be reached by email at [rbeahan@cascadetwp.com](mailto:rbeahan@cascadetwp.com) or by phone at 616.949.1500.

Sincerely,

Robert S. Beahan  
Cascade Charter Township Supervisor  
*(On behalf of the Cascade Charter  
Township Board of Trustees)*



To: Michigan Townships Association Member Boards  
From: Larry Merrill, MTA Executive Director  
Date: March 19, 2019  
Re: Option for Nonpartisan Township Offices

The Michigan Townships Association Board of Directors requests action by your township board on the attached resolution regarding a time-sensitive legislative policy issue.

Over the years, township officials have suggested to MTA that elective Michigan township offices should be nonpartisan. Consistent with long-standing policy and bylaws, the Michigan Townships Association Board of Directors put the question before the membership at the MTA Annual Meeting in 2012, where it was voted down by the MTA membership in attendance. However, a state representative intends to introduce and actively promote legislation to make nonpartisan township offices *optional* to townships. As an option rather than a mandate, the bill creates a policy dilemma for MTA between continued policy guidance on the question based on the 2012 Annual Meeting vote that did not address a nonpartisan option, and MTA's core value supporting the principle of local control. Also, a considerable period of time has lapsed since the membership voted to oppose nonpartisan elections and arguably the perspective of township officials may be different now.

MTA will need take a position on the optional nonpartisan election bill in the near future, even if that position is neutral. Because the MTA board has already finalized and provided notice to the membership of the proposed 2019 Policy Platform, the upcoming Annual Meeting is not conducive to ascertaining how the broadest spectrum of MTA member boards and their communities would value the opportunity to hold nonpartisan township elections.

To ascertain perspectives of the MTA membership, the MTA Board of Directors is asking *member township boards* to put this issue on the agenda to discuss and take a position at a township board meeting. The MTA board is taking this unusual step with the hope that the issue be framed in terms of a position that best reflects the values of townships as communities as opposed to what is in the best political interest of incumbent officials.

MTA is requesting that township clerks forward this memo to all members of their township boards and that if there is interest among the board to indicate a policy preference, to discuss the issue in the same manner that the board considers other pertinent issues, take a vote on the attached resolution, and **return the resolution to MTA by April 30, 2019**. The MTA bylaws do not allow this method of reaching out to members to be binding on the board of directors or staff in directing the association's legislative policies, but the association will take the input it receives seriously.

To assist your board in its discussions, a table is attached listing the pros and cons of partisan and nonpartisan elections that have been expressed to MTA, as well as the perceptions of MTA leaders. The list may not be all-inclusive and is not intended to influence whatever position your board may take.

As always, thank you for your time, thoughtful review and anticipated response on this matter.

**Issue: Should Michigan townships have the option of holding township board member elections on the nonpartisan ballot?**

<b>Arguments <u>Supporting</u> Optional Nonpartisan Township Elections</b>	<b>Arguments <u>Opposing</u> Optional Nonpartisan Township Elections</b>
Township elective offices in some other states are nonpartisan.	Partisan elections are inherent in the culture and traditions of Michigan township government.
Nonpartisan offices are an option available to cities as a charter provision.	Cities have home rule; townships and counties are statutory governments.
Township officials should be elected on merit, not party affiliation.	Party affiliations help voters know a candidate's values.
As some communities become more politically polarized, party affiliation disadvantages candidates who identify with community's minority party.	Township board composition should change as electors' expectations and ideologies change.
Township issues seldom align with political party ideologies.	Township boards decisions can reflect an expansive or a limited role of government consistent with party ideologies.
Veteran township officials are at risk of losing elections as their communities shift political party alignments.	Township boards should change as their electors change. It is not MTA's role to defend incumbents.
Partisanship has compromised the effectiveness of state and national legislatures. Townships should be allowed to insulate themselves from partisan divisiveness.	Partisan local elections are instructive to voters as to how state and national partisan elections work.
The preponderance of township officials of a certain party compromises MTA's influence with lawmakers of the other party.	Partisan identification strengthens MTA's political clout by leveraging party influence on public policy.
A potential solution to "voter fatigue" would be to move township elections to the gubernatorial elections, but there is no assurance that the legislation will accomplish this.	Because the nonpartisan section is at the bottom of a long ballot, "voter fatigue" results in fewer votes in the nonpartisan section of the ballot. There is no assurance that township elections will move away from presidential elections.

**Resolution**

At a meeting of the \_\_\_\_\_ Township Board, the following resolution was offered by (office, name) \_\_\_\_\_ and supported by (office, name) \_\_\_\_\_:

*Be it resolved*, that the township board is on record in \_\_\_ support \_\_\_ opposition to legislation that would allow township boards the option to have its elected offices appear as nonpartisan on the ballot. The reason(s) for the board's position is/are as follows: *(if desired, elaborate with the basis for the board's position)*:

Roll call vote (please provide names of voting board members):

Supervisor	_____	___yes	___no
Clerk	_____	___yes	___no
Treasurer	_____	___yes	___no
Trustee	_____	___yes	___no
Trustee	_____	___yes	___no
Trustee	_____	___yes	___no
Trustee	_____	___yes	___no

The motion was declared \_\_\_ adopted \_\_\_ not adopted.

**Clerk's certification**

I hereby certify that the forgoing is a true statement of an action taken by the \_\_\_\_\_ Township Board at an official meeting of said board on (date) \_\_\_\_\_.

Clerk's signature

\_\_\_\_\_

\_\_\_\_\_

Date

**Township Clerk: Please complete after township board action and return to MTA by April 30, 2019 by mail: Michigan Townships Association, 512 Westshire Drive, Lansing, MI 48917; or fax to 517-321-8908; or email a PDF copy to [legislation@michigantownships.org](mailto:legislation@michigantownships.org).**



April 12, 2019



T4 P1 572 \*\*\*\*\*AUTO\*\*ALL FOR AADC 493

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

Dear Franchise Official:

Charter Communications ("Charter"), locally know as Spectrum, has some exciting news to share with you. Effective on or after May 13, 2019, Charter will launch Spectrum Originals on-demand on channel 2010. Spectrum Originals is a premier destination for premium original series available exclusively to Spectrum video subscribers on-demand and ad-free. This free service will launch with the Sony and Bruckheimer-produced drama "L.A.'s Finest," starring Gabrielle Union and Jessica Alba. Additional projects include the high-octane street race drama "Curfew," co-produced with Sky UK, and the Lionsgate series "Manhunt."

An initiative of Charter Communications, Spectrum Originals is the latest expansion of Charter's market-leading video offerings, which include regional sports networks and its award-winning Spectrum News services. More information on Spectrum Originals can be found at [spectrumoriginals.com/lasfinest](http://spectrumoriginals.com/lasfinest).

More good news! Now available, a video-on-demand fitness subscription channel, Gaiam TV Fit & Yoga, allowing customers to access premium yoga and fitness training directly on TV. With more than 100 programs available, Gaiam TV Fit & Yoga offers something for all fitness levels, interests and demographics. Program choices will include cardio, pilates, yoga, meditation, pre and postnatal exercise, sculpting and toning, walking, circuit training and dance, as well as programs tailored for certain health conditions including arthritis and stress-related illnesses.

Customers with Spectrum On Demand can subscribe to Gaiam TV Fit & Yoga for \$6.99 per month. Customers interested in subscribing to Gaiam TV Fit & Yoga should contact Spectrum. To view a current channel lineup visit [www.spectrum.com/channels](http://www.spectrum.com/channels).

One final change, the LOVE Channel, located on Spectrum Channel 186 will cease transmission and programming will change to infomercials on the channel lineups serving your community.

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

Sincerely,

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



March 26, 2019

Mr. Benjamin Swayze, Manager  
Cascade Township  
2865 Thornhills Ave. SE  
Grand Rapids, MI 49546

Re: Acorn TV

Dear Mr. Swayze:

We are committed to keeping you and our customers informed about changes to Xfinity TV services. Accordingly, please note that as of May 2, 2019, the monthly rate for Acorn TV will change from \$4.99 to \$5.99 per month. This price change is due to an increase in programming costs from Acorn TV.

We are notifying customers who currently subscribe to Acorn TV through bill messages.

Please feel free to contact me at 616-575-0479 if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey Snyder", is written over a light blue horizontal line.

Jeffrey Snyder  
Manager of External Affairs  
Comcast, Heartland Region  
3500 Patterson Ave. SE  
Grand Rapids, MI 49512

# Memo

**To:** Cascade Township Board

**From:** Roger Mc Carty, Assessor

**CC:**

**Date:** 4/24/2019

**Re:** Request for approval for Roger Mc Carty and Jennifer Genter to attend Michigan Assessor Association Conference

---

Attached is an education request for Roger Mc Carty and Jennifer Genter to attend the Michigan Assessor Association Conference. The conference is August 11-14 in Crystal Mountain.

There are several excellent education classes. The education classes to be taken are listed on the application with class detail on the following page. As always, the conference is an excellent networking opportunity as well as a chance to interact with vendors.



**Cascade Charter Township  
Seminar/Conference Attendance Request Form**

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

1. Cascade Charter Township will reimburse employees for approved registration for work related seminars and conferences. Individual seminars and conferences must be related to the employee's current job duties or a foreseeable-future position in the organization in order to be eligible for educational assistance.
2. Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore not covered by this assistance policy.
3. Any request that requires an overnight stay or expenditure over \$200 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$200 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

*This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.*

Name: Roger McCarty

Application Date: 4/25/19

Location of Seminar/Conference CRYSTAL MOUNTAIN, THOMPSONVILLE MI

Name of Proposed Seminar/Conference: MICHIGAN ASSESSOR ASSOCIATION CONF.

Description of Seminar/Conference: (may also be attached) ATTACHED

(over)

How will the Seminar/Conference benefit the employee and the township? \_\_\_\_\_

EDUCATION & NETWORKING

Cost of the Seminar/Conference: (Registration) \$ 250

(Lodging) \$ 629 (Travel) \$ 164

Account #: 101 257 724

Your Signature: Roy McCarty

Approvals:

Department Head: Roy McCarty Date: 4/24/19

Township Manager: \_\_\_\_\_ Date: \_\_\_\_\_

Clerk's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(Showing Township Board approval)

Original to personnel file

1 copy to applicant

1 copy to Accounting

# Michigan Assessors Association

47<sup>th</sup> Annual Summer Conference

August 11 - 14, 2019



Crystal Mountain Resort, Thompsonville, Michigan

## Conference Registration Form

To register on-line go to: [www.maa-usa.org](http://www.maa-usa.org)

Please type or print clearly. (Please complete all fields and print clearly).

First Name: ROGER Last Name: MCCARTY

Title: ASSESSOR

Mailing address: 2865 THORNHILLS SE

City, State, Zip: GRAND RAPIDS MI 49546

Business Phone: 616 949 6176 Home Phone/Cell: 616 570 2416

Email Address: RMCCARTY@CASCADETWP.COM Is this your 1st MAA Conference?:  Yes  No

Guest Name: \*

\*Guest/Companion Registration: Please provide only if you are registering another person and include payment

### EDUCATION SESSIONS (Please indicate which education programs you plan to attend)

All educational sessions have been approved for continuing education credit by the State Tax Commission (up to a full 16 hours of credit).

- |   |   |              |
|---|---|--------------|
| <input checked="" type="checkbox"/> Mon - "Communication Symposium"                               | Matthew Raftary, MAAO & Larry Steckelberg, MCAO | - 4 Hours CE |
| <input checked="" type="checkbox"/> Tues - "Can You Hear Me Now"                                  | Shila Kiander, MAAO & Nathan Stein, LLMSW       | - 4 Hours CE |
| <input checked="" type="checkbox"/> Tues - "Professionally Speaking"                              | Shila Kiander, MAAO & Nathan Stein, LLMSW       | - 4 Hours CE |
| <input checked="" type="checkbox"/> Wed - "2019 Overview of STC Bulletins<br>Policy and Case Law" | Heather S. Frick, MAAO                          | - 4 Hours CE |

Registration Fees	Early Registration (BEFORE July 26, 2019)	Regular Registration (ON or AFTER July 26, 2019)	Amount
MAA Member	<input checked="" type="checkbox"/> \$250.00	<input type="checkbox"/> \$300.00	\$ <u>250</u>
Non-member	<input type="checkbox"/> \$325.00	<input type="checkbox"/> \$375.00	\$ _____
Spouse/Companion*	<input type="checkbox"/> \$200.00	<input type="checkbox"/> \$250.00	\$ _____
* A "companion" is defined as family member or individual not employed in assessment administration or related field.			
Ala Carte Continuing Education (MAA Members ONLY)	<input type="checkbox"/> \$175.00	<input type="checkbox"/> \$175.00	\$ _____
* MAA Members not attending the full conference may attend any two(2) four-hour CE sessions (make selection from above)			
Conference Exhibitor*	<input type="checkbox"/> \$500.00	<input type="checkbox"/> \$500.00	\$ _____
* Includes one conference registration, skirted table, electrical and Wi-Fi.			
Conference Contribution Type*	_____	_____	\$ _____
* See "Exhibitor/Sponsor Registration Form" for suggested contribution levels			

Total Amount Enclosed <sup>t</sup> \$ 250

<sup>t</sup> A 2.5% convenience fee will be added to all on-line registrations at time of final payment.

Please make check payable to: **Michigan Assessors Association**  
P.O. BOX 638, Grand Ledge, MI 48837

Memberships will be verified. New memberships must be received prior to or with the Conference Registration to qualify for the regular member rate. Faxed registrations will not be processed. Payment must accompany all conference registrations. If payment is made after July 25, 2019, a \$50 fee will be charged. Cancellation Policy: A full refund can be processed if the request is received prior to July 27, 2019. Direct questions to Conference Chairpersons, Matthew Raftary at 734-942-1324 [maamediaservices@comcast.net](mailto:maamediaservices@comcast.net) or Linda Stevenson at (734-699-8946) [l Stevenson@vanburen-mi.org](mailto:l Stevenson@vanburen-mi.org)



**Cascade Charter Township  
Seminar/Conference Attendance Request Form**

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

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3. Any request that requires an overnight stay or expenditure over \$200 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$200 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

*This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.*

Name: Jennifer Genter

Application Date: 4/24/19

Location of Seminar/Conference Crystal Mountain, Thompsonville, MI

Name of Proposed Seminar/Conference: Michigan Assessor's Association

Description of Seminar/Conference: (may also be attached) See Attached

(over)

How will the Seminar/Conference benefit the employee and the township? This years conference is focusing on best practices forenhancing communication skills, developing quality relationships & building a strong professional network. This is instrumental in our field. I look forward to the opportunity for continued growth & thank you for your consideration.

Cost of the Seminar/Conference: (Registration) \$ 250

(Lodging) \$ +/- 795<sup>00</sup> (4@198.69)<sup>179+11%</sup> (Travel) \$ +/- 160

Account #: 101-257-724-000

Your Signature: Jennifer Enter

Approvals:

Department Head: Rosemary C Date: 4/24/19

Township Manager: \_\_\_\_\_ Date: \_\_\_\_\_

Clerk's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(Showing Township Board approval)

Original to personnel file

1 copy to applicant

1 copy to Accounting

# Michigan Assessors Association

47<sup>th</sup> Annual Summer Conference

August 11 - 14, 2019

Crystal Mountain Resort, Thompsonville, Michigan



## Conference Registration Form

To register on-line go to: [www.maa-usa.org](http://www.maa-usa.org)

Please type or print clearly. (Please complete all fields and print clearly).

First Name: Jennifer Last Name: Genter

Title: Deputy Assessor

Mailing address: 2865 Thornhills Ave SE Grand Rapids MI 49546

City, State, Zip: \_\_\_\_\_

Business Phone: 616-949-6176 Home Phone/Cell: \_\_\_\_\_

Email Address: jgenter@cascadetwp.com Is this your 1st MAA Conference?:  Yes  No

Guest Name\*: \_\_\_\_\_

\*Guest/Companion Registration: Please provide only if you are registering another person and include payment

### EDUCATION SESSIONS (Please indicate which education programs you plan to attend)

All educational sessions have been approved for continuing education credit by the State Tax Commission (up to a full 16 hours of credit).

- |  |   |              |
|--|---|--------------|
| <input checked="" type="checkbox"/> Mon - "Communication Symposium"                    | Matthew Raftary, MAAO & Larry Steckelberg, MCAO | - 4 Hours CE |
| <input checked="" type="checkbox"/> Tues - "Can You Hear Me Now"                       | Shila Kiander, MAAO & Nathan Stein, LLMSW       | - 4 Hours CE |
| <input checked="" type="checkbox"/> Tues - "Professionally Speaking"                   | Shila Kiander, MAAO & Nathan Stein, LLMSW       | - 4 Hours CE |
| <input type="checkbox"/> Wed - "2019 Overview of STC Bulletins<br>Policy and Case Law" | Heather S. Frick, MAAO                          | - 4 Hours CE |

Registration Fees	Early Registration (BEFORE July 26, 2019)	Regular Registration (ON or AFTER July 26, 2019)	Amount
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Non-member	<input type="checkbox"/> \$325.00	<input type="checkbox"/> \$375.00	\$ _____
Spouse/Companion*	<input type="checkbox"/> \$200.00	<input type="checkbox"/> \$250.00	\$ _____
* A "companion" is defined as family member or individual not employed in assessment administration or related field.			
Ala Carte Continuing Education (MAA Members ONLY)		<input type="checkbox"/> \$175.00	\$ _____
* MAA Members not attending the full conference may attend any two(2) four-hour CE sessions (make selection from above)			
Conference Exhibitor*	<input type="checkbox"/> \$500.00	<input type="checkbox"/> \$500.00	\$ _____
* Includes one conference registration, skirted table, electrical and Wi-Fi.			
Conference Contribution Type*			\$ _____
* See "Exhibitor/Sponsor Registration Form" for suggested contribution levels			
Total Amount Enclosed † \$ _____			

† A 2.5% convenience fee will be added to all on-line registrations at time of final payment.

Please make check payable to: **Michigan Assessors Association**  
**P.O. BOX 638, Grand Ledge, MI 48837**

Memberships will be verified. New memberships must be received prior to or with the Conference Registration to qualify for the regular member rate. Faxed registrations will not be processed. Payment must accompany all conference registrations. If payment is made after July 25, 2019, a \$50 fee will be charged. Cancellation Policy: A full refund can be processed if the request is received prior to July 27, 2019. Direct questions to Conference Chairpersons, Matthew Raftary at 734-942-1324 maamediaservices@comcast.net or Linda Stevenson at (734-699-8946) l Stevenson@vanburen-mi.org

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# Michigan Assessors Association

47<sup>th</sup> Annual Summer Conference

August 11 - 14, 2019

Crystal Mountain Resort, Thompsonville, Michigan

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CELEBRATING



This year marks the 60<sup>th</sup> Anniversary of the Michigan Assessors Association. As assessment professionals, we understand the detail, and effects of proposed or pending laws, and the challenges faced in implementing them. For 60 years the Michigan Assessors Association has promoted justice and equity in the distribution of the tax burden and our members are some of the most knowledgeable and best positioned individuals to provide advice to our government leaders on improving the standards of assessment practices. Can you communicate that message effectively and efficiently? Come join us and celebrate 60 years of education, fellowship and memories and learn how you can develop quality relationships and improved communications skills to promote your message.

## Conference at a Glance

### Schedule of Events

#### ~ Sunday ~

Annual Golf Outing  
Opening Reception

#### ~ Monday ~

Awards Breakfast  
MAA Annual Business Meeting  
Communication Symposium

#### ~ Tuesday ~

Continuing Educational Sessions  
Networking Lunch  
Annual Banquet and Installation of Officers

#### ~ Wednesday ~

Educational Session  
with Continental Breakfast

### Accommodations



CRYSTAL  
MOUNTAIN

#### Crystal Mountain Resort

12500 Crystal Mountain Dr.  
Thompsonville, Michigan 49683  
Telephone: (855) 520-2974

Guest Rooms: \$178.00 - \$269.00/night  
(Sunday through Tuesday)

Condominiums: \$349.00 - \$749.00/night  
(Sunday through Tuesday)

plus 6% sales tax and 11% local assessment fees  
(see resort registration for full list of rates)

**Hotel Reservation Deadline: July 10, 2019**

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# Michigan Assessors Association

47<sup>th</sup> Annual Summer Conference

August 11 - 14, 2019

Crystal Mountain Resort, Thompsonville, Michigan

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To register on-line go to: [www.maa-usa.org](http://www.maa-usa.org)

**This year's conference will provide an outstanding opportunity to meet with and establish new connections with your peers in the Property Tax Administration profession while focusing on best practices for enhancing your communication skills, developing quality relationships and building strong professional networks. Join us for up to 16 hours of outstanding continuing education.**

## Communication Symposium

Monday 1:00 PM- 5:00 PM (4 Hours)

This symposium consists of three sessions designed to help assessors communicate and develop successful networks with their peer, public officials and property owners.

### Session 1: Networking & Relationship Development (approx. 60 minutes)

**Facilitator:** Matthew Raftary, MAAO

**Description:** The old axiom, "It's not what you know, it's who you know" is only partly true. Focusing on just making contacts is not enough. Creating a successful network is more about building and maintaining strong relationships, more so than having many friends on Facebook or a large contacts file. Once you have built strong, lasting relationships with quality people, you now have an active network that you can use. This session will explore how to develop and nurture strong relationships with other professionals and create a network that can help ensure your success.

### Session 2: How a Bill Becomes Law (approx. 60 minutes)

**Facilitator:** Larry Steckelberg, MCAO, Administrator, Michigan Department of Treasury, Bureau of Local Government

**Description:** Having a thorough understanding of how laws are enacted, and the process, is critical to effective communication when engaging public officials regarding the effects of proposed or pending legislation. This session will discuss how a bill becomes law beginning with its introduction, committee hearings, debate and enactment.

### Session 3: Discussion Panel (approx. 2 hours)

**Moderator:** Phillip O. Mastin, MMAO

**Panelists:** Representative Julie Brixie(D), former Representative David Maturen(R), Romulus Mayor Leroy Burcroff, Department of Treasury Legislative Liaison Steve Bieda and MAA Legislative Agent Manny Lentine

**Description:** This session will build on the two previous sessions with a discussion panel comprised of legislators, lobbyists, and state and local officials. Discussion will focus on their personal experiences as they relate to establishing relationships and communicating with other public officials and the public. Panelists will also share their point of view on the importance of building a solid support network as well as their ideas and successes in building and maintaining those relationships.

## Can You Hear Me Now...

Tuesday 8:00 AM - 12:00 PM (4 Hours)

**Instructors:** Shila Kiander, MAAO & Nathan Stein, LLMSW

**Description:** Part 1 – As assessors, what do we have to communicate and who do we have to communicate it to? From forms and reports to information requests and customer service, assessors are the gatherers and keepers of a vast amount of information. In today's data driven work environment, get the answers to this along some hints and helps in this motivational continuing education course. This is not about knowing what we do; it is about communicating to others what we do.

## Professionally Speaking...

Tuesday 1:00 PM -5:00 PM (4 Hours)

**Instructor:** Shila Kiander, MAAO & Nathan Stein, LLMSW

**Description:** Part 2 – the "How" to of professionally communicating in the Assessment Administration profession. What does it take for an assessor to communicate effectively in today's world? How do you explain a complex assessment administration system to officials and taxpayers? Get the answers to this along with some hints and helps in this motivational continuing education course. This is not about public speaking; it is about speaking (and communicating) with administration, coworkers and the public.

## 2019 Overview of STC Bulletins, Policy and Case Law

Wednesday 8:00 AM -12:00 PM (4 Hours)

**Instructor:** Heather S. Frick, MAAO, Administrator, Michigan Department of Treasury, Property Services Division

**Description:** The Department of Treasury's 2019 overview includes the important things that every assessor needs to be aware of for 2019. Topics include: Audit of Minimum Assessing Requirements (AMAR), Assessors Manual, Disabled Veterans Exemption Mid-Year Changes, Disabled Veterans Exemption Unremarried Surviving Spouse, Board of Review Authorities, Changes to the PRE Statute Public Acts 121 and 122 of 2017, Charitable Exemptions (MCL 211.7o), EMPP and ESA Reminders, Small Business Taxpayer Exemption (MCL 211.9o), Sales Ratio Study Date Changes, Personal Property – Leasehold Improvements, Qualified Forest Statutory Changes, Qualified Agricultural Statutory Changes, Submitting MCL 211.154 Forms, Poverty Exemption Guidelines, Assessor Recertification Requirements, STC Offered Educational Programs, 2019 Property Tax Calendar Key Dates.

**FINANCIAL REPORTS  
APRIL 2019**

<u>FUND NAME</u>	<u>FUND BALANCE</u>	<u>LIABILITIES</u>	<u>BOND</u>	<u>CURRENT</u>
		<u>LONG TERM DEBT</u>	<u>FINAL</u>	<u>INTEREST</u>
			<u>PAYMENT</u>	<u>RATE</u>
GENERAL FUND - 101 UNASSIGNED	7,227,435			
GENERAL FUND - 101 COMMITTED	2,999,543			
<b>GENERAL FUND BALANCE</b>	<b>\$ 10,226,978</b>			
FIRE FUND - 206 RESTRICTED	3,729,917			
<b>FIRE FUND BALANCE</b>	<b>\$ 3,729,917</b>			
POLICE FUND - 207 RESTRICTED	1,616,027			
POLICE FUND - 207 COMMITTED	230,000			
<b>POLICE FUND BALANCE</b>	<b>\$ 1,846,027</b>			
<b>HAZMAT FUND - 208 RESTRICTED</b>	<b>\$ 27,371</b>			
CCT OPEN SPACE FUND - 209 RESTRICTED	427,416	REF/2017	2,941,343	2028
AUGUST HOMEYER - 209 COMMITTED	356,412	**		1.94
<b>CCT OPEN SPACE FUND BALANCE</b>	<b>\$ 783,828</b>			
DAM MAJOR REPAIR FUND - 211 RESTRICTED	441,898			
DAM MAJOR REPAIR FUND - 211 COMMITTED	250,000			
<b>DAM MAJOR REPAIR FUND BALANCE</b>	<b>\$ 691,898</b>			
PATHWAYS FUND - 216 RESTRICTED	2,182,432			
<b>PATHWAYS FUND BALANCE</b>	<b>\$ 2,182,432</b>			
<b>IMPROVEMENT REVOLVING FUND - 246 RESTRICTED</b>	<b>\$ 1,526,596</b>			
<b>DDA FUND - 248 RESTRICTED</b>	<b>\$ 1,509,152</b>	REF/2010	210,364	2020
				3.45
BUILDING INSP FUND - 249 RESTRICTED	2,281,516			
BUILDING INSP FUND - 249 COMMITTED	1,000,000			
<b>BUILDING INSP FUND BALANCE</b>	<b>\$ 3,281,516</b>			
LIBRARY FUND - 270 RESTRICTED	1,820,044			
LIBRARY FUND - 270 COMMITTED	400,000			
<b>LIBRARY FUND BALANCE</b>	<b>\$ 2,220,044</b>			
<b>TOTAL ALL FUNDS</b>	<b>\$ 28,025,759</b>		<b>\$ 3,151,707</b>	
<b><u>TRUST AND AGENCY FUNDS</u></b>				
CEMETERY TRUST FUND - 151 UNSPENDABLE	104,641			
CEMETERY TRUST FUND - 151 (COMMITTED)	5,000			
<b>TOTAL CEMETERY TRUST FUND</b>	<b>\$ 109,641</b>			
<b>TRUST &amp; AGENCY FUND -701</b>	<b>\$ 152,712</b>			
<b>TAX FUND - 703</b>	<b>\$ 22,072</b>			
<b>TOTAL TRUST &amp; AGENCY</b>	<b>\$ 284,425</b>			

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

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 101 - GENERAL FUND</b>							
<b>Revenues</b>							
101-000-401-401	GENERAL PROPERTY TAXES	1,294,768.40	1,353,060.00	1,318,680.49	(10,472.05)	34,379.51	97.46
101-000-401-405	STREETLIGHT	64,956.12	73,200.00	71,685.43	0.00	1,514.57	97.93
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	1,346.48	1,346.48	6,653.52	16.83
101-000-401-437	ABATEMENT TAXES	10,357.38	11,003.00	10,472.05	10,472.05	530.95	95.17
101-000-401-441	COMMUNITY STABILIZATION SHARE TAX	94,078.79	80,134.00	27,237.81	27,237.81	52,896.19	33.99
101-000-401-445	INTEREST & PENALTIES ON TAXES	12,671.66	12,000.00	13,217.45	959.73	(1,217.45)	110.15
101-000-401-447	TAX ADMINISTRATION FEES	571,240.10	600,000.00	155,614.72	321.18	444,385.28	25.94
101-000-450-460	CABLE REVENUE	340,399.27	352,400.00	14,031.20	14,031.20	338,368.80	3.98
101-000-450-465	CABLE - PEG FEES	69,976.48	74,000.00	4,209.36	4,209.36	69,790.64	5.69
101-000-450-490	DOG LICENSES	65.60	150.00	30.40	0.00	119.60	20.27
101-000-450-498	OTHER PERMITS	405.00	750.00	0.00	0.00	750.00	0.00
101-000-451-000	LIQUOR LICENSE	35,933.15	23,000.00	0.00	0.00	23,000.00	0.00
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	236,336.00	236,336.00	1,276,001.00	15.63
101-000-539-579	ELECTION REIMBURSEMENTS	7,370.00	0.00	0.00	0.00	0.00	0.00
101-000-539-581	PA 48 (METRO AUTHORITY) NOW STABILIZATON	15,341.96	14,800.00	0.00	0.00	14,800.00	0.00
101-000-600-608	PLANNING AND ZONING FEES	30,793.98	25,000.00	1,250.00	260.00	23,750.00	5.00
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	1,000.00	1,000.00	1,000.00	50.00
101-000-600-626	PASSPORT APPLICATION FEE	30,470.00	34,000.00	13,720.00	3,640.00	20,280.00	40.35
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS	22,950.00	19,000.00	7,454.00	2,025.00	11,546.00	39.23
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	601.00	601.00	899.00	40.07
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	100,000.00	90,461.82	35,097.98	9,538.18	90.46
101-000-665-001	INTEREST TIMMONS FUND	206.53	250.00	0.00	0.00	250.00	0.00
101-000-665-002	DAM LEASE PAYMENTS	70,318.94	70,000.00	99,651.67	81,998.86	(29,651.67)	142.36
101-000-665-003	RENTAL OF FACILITIES	7,950.00	1,200.00	3,185.00	1,320.00	(1,985.00)	265.42
101-000-665-004	CELLULAR TOWERS	143,048.65	104,906.00	45,998.73	2,341.58	58,907.27	43.85
101-000-665-014	CELL TOWER - KEPS ANTENA LEASE	375.00	0.00	0.00	0.00	0.00	0.00
101-000-665-031	INTEREST ON INVESTMENT- WELLS FARGO	1,189.61	0.00	0.00	0.00	0.00	0.00
101-000-665-210	INT ON INVEST-GF COAMERICA 983 QRT JP	0.00	50,000.00	0.00	0.00	50,000.00	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	0.00	0.00	7,000.00	0.00
101-000-671-671	MISCELLANEOUS INCOME	15,922.97	4,000.00	11,511.00	11,093.91	(7,511.00)	287.78
101-000-671-675	DONATIONS	4,000.00	0.00	0.00	0.00	0.00	0.00
101-000-671-680	MISC INCOME - TRANSIT TICKETS	1,017.00	1,500.00	270.00	120.00	1,230.00	18.00
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	0.00	8,633.00	150.00	(8,633.00)	100.00
101-000-674-000	4TH OF JULY SPONSORS	20,200.00	20,000.00	15,630.00	6,580.00	4,370.00	78.15
101-000-674-200	HALLOWEEN SPONSORS	2,155.00	2,000.00	0.00	0.00	2,000.00	0.00
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FUND	113,884.66	95,000.00	12,441.20	3,815.00	82,558.80	13.10
101-000-679-200	INTERFUND REIMBURSEMENT/LIBRARY	32,672.00	16,336.00	0.00	0.00	16,336.00	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	98,077.00	0.00	0.00	98,077.00	0.00
<b>TOTAL REVENUES</b>		<b>4,976,932.76</b>	<b>4,944,829.00</b>	<b>2,260,494.20</b>	<b>434,485.09</b>	<b>2,684,334.80</b>	
<b>Expenditures</b>							
<b>Dept 101 - TOWNSHIP BOARD</b>							
101-101-703-000	TRUSTEE SALARIES	36,000.00	36,756.00	0.00	0.00	36,756.00	0.00
101-101-704-000	WAGES- PART TIME	0.00	0.00	12,537.60	3,134.40	(12,537.60)	100.00
101-101-723-000	TOWNSHIP DUES	17,835.95	17,950.00	357.00	0.00	17,593.00	1.99
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	176.36	48.10	823.64	17.64
101-101-981-000	OFFICE EQUIPMENT	0.00	2,500.00	1,853.39	759.98	646.61	74.14
<b>Net - Dept 101 - TOWNSHIP BOARD</b>		<b>54,867.36</b>	<b>60,656.00</b>	<b>14,924.35</b>	<b>3,942.48</b>	<b>45,731.65</b>	
<b>Dept 171 - SUPERVISOR</b>							
101-171-702-000	WAGES- FULL TIME	0.00	0.00	38,841.94	13,872.12	(38,841.94)	100.00
101-171-703-000	SUPERVISOR SALARY	20,000.04	20,420.00	0.00	0.00	20,420.00	0.00
101-171-703-200	ASSIGNABLE SALARY	0.00	29,967.00	0.00	0.00	29,967.00	0.00
101-171-704-000	WAGES- PART TIME	0.00	0.00	6,965.32	1,741.33	(6,965.32)	100.00
101-171-706-000	MANAGERS SALARY	115,073.33	116,905.00	0.00	0.00	116,905.00	0.00
101-171-711-000	MANAGER EXPENSE	0.00	0.00	0.00	252.54	0.00	0.00
101-171-723-000	SUPERVISOR MEMBERSHIPS AND DUES	1,376.00	2,100.00	175.00	0.00	1,925.00	8.33
101-171-724-000	EDUCATION	3,010.85	4,600.00	250.69	0.00	4,349.31	5.45
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	583.22	41.76	3,016.78	16.20
101-171-862-500	SUPERVISOR EXPENSE ACCOUNT	4.48	500.00	0.00	(252.54)	500.00	0.00
101-171-862-550	MANAGER EXPENSE ACCOUNT	174.34	650.00	198.49	0.00	451.51	30.54
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	435.81	82.07	1,504.19	22.46
101-171-967-000	SPECIAL PROJECTS	0.00	10,000.00	0.00	0.00	10,000.00	0.00
101-171-981-000	OFFICE EQUIPMENT	110.55	1,500.00	759.98	759.98	740.02	50.67

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GL NUMBER	DESCRIPTION	2018		2019		YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)			
<b>Net - Dept 171 - SUPERVISOR</b>		<b>145,042.84</b>	<b>195,182.00</b>	<b>48,210.45</b>	<b>16,497.26</b>	<b>146,971.55</b>			
<b>Dept 215 - CLERK</b>									
101-215-702-000	WAGES- FULL TIME	0.00	0.00	23,504.04	8,394.30	(23,504.04)	100.00		
101-215-703-000	CLERK SALARY	15,999.96	16,336.00	0.00	0.00	16,336.00	0.00		
101-215-704-000	WAGES- PART TIME	6,962.00	71,080.00	5,572.28	1,393.07	65,507.72	7.84		
101-215-704-050	HR DIRECTOR	62,995.92	0.00	0.00	0.00	0.00	0.00		
101-215-704-100	ADDITIONAL HELP/OVERTIME	0.00	1,000.00	0.00	0.00	1,000.00	0.00		
101-215-723-000	CLERK MEMBERSHIPS AND DUES	299.00	320.00	800.00	0.00	(480.00)	250.00		
101-215-724-000	EDUCATION	1,143.26	2,600.00	594.60	0.00	2,005.40	22.87		
101-215-860-000	CLERK MILEAGE	318.99	1,000.00	115.42	0.00	884.58	11.54		
101-215-862-500	CLERK'S EXPENSE ACCOUNT	45.04	300.00	47.45	0.00	252.55	15.82		
101-215-925-000	CLERK CELL PHONE	1,073.98	1,100.00	296.21	82.07	803.79	26.93		
101-215-981-000	OFFICE EQUIPMENT	2,754.54	2,000.00	759.98	759.98	1,240.02	38.00		
<b>Net - Dept 215 - CLERK</b>		<b>91,592.69</b>	<b>95,736.00</b>	<b>31,689.98</b>	<b>10,629.42</b>	<b>64,046.02</b>			
<b>Dept 253 - TREASURER</b>									
101-253-702-000	WAGES- FULL TIME	0.00	0.00	35,801.98	11,757.60	(35,801.98)	100.00		
101-253-703-000	TREASURER SALARY	15,999.96	16,336.00	0.00	0.00	16,336.00	0.00		
101-253-704-000	WAGES- PART TIME	0.00	0.00	5,572.28	1,393.07	(5,572.28)	100.00		
101-253-707-000	WAGES- CASUAL	55,903.63	56,751.00	974.50	0.00	55,776.50	1.72		
101-253-707-050	ACCOUNT CLERK I	6,176.00	6,306.00	0.00	0.00	6,306.00	0.00		
101-253-707-060	ACCOUNT CLERK II	54,313.05	43,000.00	0.00	0.00	43,000.00	0.00		
101-253-707-100	ADDITIONAL HELP/OVERTIME	3,282.94	2,500.00	0.00	0.00	2,500.00	0.00		
101-253-723-000	TREASURER MEMBERSHIPS AND DUES	585.00	600.00	50.00	0.00	550.00	8.33		
101-253-724-000	EDUCATION	0.00	2,500.00	1,017.25	0.00	1,482.75	40.69		
101-253-860-000	TREASURER MILEAGE	318.24	500.00	77.72	0.00	422.28	15.54		
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	48.09	16.03	201.91	19.24		
101-253-939-000	TREASURER SERVICE CONTRACTS	2,273.00	2,350.00	0.00	0.00	2,350.00	0.00		
101-253-981-000	OFFICE EQUIPMENT	2,222.56	1,500.00	759.98	759.98	740.02	50.67		
<b>Net - Dept 253 - TREASURER</b>		<b>141,289.65</b>	<b>132,793.00</b>	<b>44,301.80</b>	<b>13,926.68</b>	<b>88,491.20</b>			
<b>Dept 257 - ASSESSING</b>									
101-257-702-000	WAGES- FULL TIME	0.00	0.00	69,959.74	24,985.62	(69,959.74)	100.00		
101-257-703-000	ASSESSOR	90,597.21	92,051.00	0.00	0.00	92,051.00	0.00		
101-257-706-000	ASSESSING BOARD OF REVIEW EXPENSE	2,147.48	3,370.00	0.00	(17.96)	3,370.00	0.00		
101-257-707-000	WAGES- CASUAL	0.00	0.00	0.00	(1,210.00)	0.00	0.00		
101-257-708-000	SR RESIDENTIAL APPRAISER JM/JG	67,864.88	68,954.00	0.00	0.00	68,954.00	0.00		
101-257-708-500	RESIDENTIAL APPRAISER	49,767.23	50,566.00	0.00	0.00	50,566.00	0.00		
101-257-723-000	ASSESSING MEMBERSHIPS AND DUES	1,720.00	1,655.00	190.00	150.00	1,465.00	11.48		
101-257-724-000	EDUCATION	8,768.06	9,780.00	112.64	0.00	9,667.36	1.15		
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	0.00	1,397.64	1,337.96	(1,397.64)	100.00		
101-257-860-000	ASSESSING MILEAGE	1,712.51	2,900.00	144.69	91.33	2,755.31	4.99		
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	504.00	0.00	496.00	50.40		
101-257-924-100	CELL PHONES/DATA	215.27	500.00	48.09	16.03	451.91	9.62		
101-257-939-000	ASSESSING SERVICE CONTRACTS	3,343.20	3,525.00	2,042.00	0.00	1,483.00	57.93		
101-257-981-000	OFFICE EQUIPMENT	369.00	3,100.00	1,473.40	379.99	1,626.60	47.53		
<b>Net - Dept 257 - ASSESSING</b>		<b>227,082.60</b>	<b>244,301.00</b>	<b>75,920.71</b>	<b>25,732.97</b>	<b>168,380.29</b>			
<b>Dept 262 - ELECTIONS</b>									
101-262-703-000	ELECTION SALARIES/PT HELP	21,469.00	10,000.00	0.00	0.00	10,000.00	0.00		
101-262-703-100	WAGES & SALARIES- EK	1,188.00	2,000.00	0.00	0.00	2,000.00	0.00		
101-262-707-000	WAGES- CASUAL	0.00	0.00	639.00	450.00	(639.00)	100.00		
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	0.00	0.00	1,000.00	0.00		
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		
<b>Net - Dept 262 - ELECTIONS</b>		<b>46,511.36</b>	<b>14,000.00</b>	<b>1,083.60</b>	<b>450.00</b>	<b>12,916.40</b>			
<b>Dept 265 - BUILDING AND GROUNDS</b>									
101-265-702-000	WAGES- FULL TIME	0.00	0.00	89,410.79	31,323.45	(89,410.79)	100.00		
101-265-707-000	WAGES- CASUAL	49,649.28	51,652.00	1,351.51	1,351.51	50,300.49	2.62		
101-265-707-100	BLDG & GROUNDS ADDITIONAL HELP	66,195.98	65,920.00	0.00	0.00	65,920.00	0.00		
101-265-707-200	BLDG & GROUNDS LABORER I	35,850.49	36,422.00	0.00	0.00	36,422.00	0.00		
101-265-707-250	BLDG & GROUNDS LABORER I	39,068.61	41,102.00	0.00	0.00	41,102.00	0.00		
101-265-707-300	BLDG & GROUNDS LABORER I	38,360.14	37,102.00	0.00	0.00	37,102.00	0.00		
101-265-707-400	BLDG & GROUNDS LABORER I	35,976.44	36,422.00	0.00	0.00	36,422.00	0.00		
101-265-709-000	WAGES/SALARIES OVERTIME	7,893.86	10,000.00	0.00	0.00	10,000.00	0.00		
101-265-713-000	OVERTIME	0.00	0.00	959.42	291.10	(959.42)	100.00		
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	127.18	0.00	3,072.82	3.97		
101-265-802-200	JANITORIAL CONTRACT	5,999.00	8,700.00	553.00	0.00	8,147.00	6.36		
101-265-863-000	VEHICLE MAINT	34,099.05	35,000.00	10,520.74	3,845.12	24,479.26	30.36		
101-265-864-000	FUEL	20,130.35	20,000.00	3,315.23	0.00	16,684.77	16.58		
101-265-921-000	COMPLEX ELECTRICITY	26,251.68	30,000.00	7,075.01	0.00	22,924.99	23.58		
101-265-923-000	COMPLEX HEATING	8,702.90	12,000.00	3,542.79	1,059.65	8,457.21	29.52		
101-265-924-000	COMPLEX PHONES	17,544.58	21,900.00	6,273.84	1,566.63	15,626.16	28.65		
101-265-924-100	BLDG AND GROUNDS CELL PHONES	2,685.38	2,300.00	600.47	16.03	1,699.53	26.11		

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		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019	04/30/2019	MONTH 04/30/2019	BALANCE		
				NORM (ABNORM)		INCR (DECR)	NORM (ABNORM)		
101-265-927-000	COMPLEX WATER-SEWER	6,591.85	7,500.00	820.87		0.00	6,679.13	10.94	
101-265-931-000	COMPLEX MAINTENANCE	56,398.14	60,000.00	17,156.83		2,139.65	42,843.17	28.59	
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	11,336.25	12,750.00	5,135.00		125.00	7,615.00	40.27	
101-265-939-000	SERVICE CONTRACTS	0.00	800.00	0.00		0.00	800.00	0.00	
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	899.99		899.99	9,100.01	9.00	
<b>Net - Dept 265 - BUILDING AND GROUNDS</b>		<b>467,619.30</b>	<b>504,020.00</b>	<b>147,847.67</b>		<b>42,618.13</b>	<b>356,172.33</b>		
<b>Dept 276 - CEMETERY</b>									
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	172.83		0.00	827.17	17.28	
101-276-931-000	MAINT & REPAIR/IMPROVEMENTS	75.00	5,000.00	500.00		500.00	4,500.00	10.00	
101-276-932-000	CEMETERY MAINT	4,751.21	10,000.00	536.63		0.00	9,463.37	5.37	
<b>Net - Dept 276 - CEMETERY</b>		<b>5,711.54</b>	<b>23,500.00</b>	<b>1,209.46</b>		<b>500.00</b>	<b>22,290.54</b>		
<b>Dept 295 - ADMINISTRATIVE</b>									
101-295-702-000	WAGES- FULL TIME	0.00	0.00	31,100.17		11,107.20	(31,100.17)	100.00	
101-295-702-050	HR DIRECTOR SALARY	0.00	55,000.00	0.00		0.00	55,000.00	0.00	
101-295-704-000	WAGES- PART TIME	67,595.25	61,260.00	0.00		0.00	61,260.00	0.00	
101-295-704-050	FRONT DESK CLERK (FT)	0.00	34,200.00	0.00		0.00	34,200.00	0.00	
101-295-707-000	WAGES- CASUAL	40,974.20	0.00	0.00		0.00	0.00	0.00	
101-295-708-000	ADMIN ADDITIONAL HELP	0.00	5,000.00	0.00		0.00	5,000.00	0.00	
101-295-709-000	WAGES/SALARIES OVERTIME	1,581.98	2,000.00	0.00		0.00	2,000.00	0.00	
101-295-723-000	MEMBERSHIP AND DUES	310.00	775.00	50.00		0.00	725.00	6.45	
101-295-724-000	EDUCATION	1,078.65	4,900.00	0.00		0.00	4,900.00	0.00	
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	3,214.81		644.67	11,785.19	21.43	
101-295-730-000	POSTAGE	21,588.62	19,000.00	2,817.01		0.00	16,182.99	14.83	
101-295-787-000	MISCELLANEOUS	13,706.71	12,200.00	2,728.79		184.27	9,471.21	22.37	
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	12,640.00		10,240.00	2,400.00	84.04	
101-295-810-000	LIABILITY INSURANCE	15,448.00	15,987.00	16,998.00		0.00	(1,011.00)	106.32	
101-295-814-000	TAX/ASSESSING ADMIN COSTS	13,614.69	22,000.00	4,999.15		0.00	17,000.85	22.72	
101-295-815-000	COMPUTER COSTS-ISP	3,388.50	3,500.00	2,467.00		1,698.00	1,033.00	70.49	
101-295-815-100	COMPUTER COSTS-WEB SITE	4,074.00	6,000.00	0.00		0.00	6,000.00	0.00	
101-295-816-000	INSECT/WEED CONTROL	78,291.09	81,600.00	0.00		0.00	81,600.00	0.00	
101-295-821-000	ENGINEERING COSTS	32,689.62	35,000.00	6,337.50		3,301.25	28,662.50	18.11	
101-295-826-000	LEGAL FEES	76,657.99	35,000.00	18,197.60		5,168.00	16,802.40	51.99	
101-295-860-000	ADMINISTRATIVE MILEAGE	7.09	500.00	0.00		0.00	500.00	0.00	
101-295-881-000	FOURTH OF JULY	51,879.00	50,000.00	21,899.97		237.47	28,100.03	43.80	
101-295-881-200	HALLOWEEN	2,245.74	2,500.00	0.00		0.00	2,500.00	0.00	
101-295-881-300	KDL MUSIC PROGRAMING	3,500.00	3,500.00	0.00		0.00	3,500.00	0.00	
101-295-882-000	SENIOR CITIZENS	1,666.25	2,000.00	0.00		0.00	2,000.00	0.00	
101-295-885-000	NEWSLETTER	14,545.57	20,000.00	3,663.16		0.00	16,336.84	18.32	
101-295-900-000	PRINTING/PUBLISHING	5,129.83	12,000.00	2,137.69		512.40	9,862.31	17.81	
101-295-924-100	CELL PHONES/DATA	638.15	250.00	629.16		118.21	(379.16)	251.66	
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	688.17		0.00	2,011.83	25.49	
101-295-950-000	PROPERTY TAX REFUNDS	896.39	1,000.00	517.54		0.00	482.46	51.75	
101-295-951-000	CABLE EQUIPMENT GRANTS	35,000.00	35,000.00	0.00		0.00	35,000.00	0.00	
101-295-952-000	REGIS	38,564.32	40,000.00	19,282.16		19,282.16	20,717.84	48.21	
101-295-952-100	KENT COUNTY AERIAL PHOTO	2,647.31	3,000.00	0.00		0.00	3,000.00	0.00	
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	0.00		0.00	5,000.00	0.00	
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	40,232.45		10,920.06	37,767.55	51.58	
101-295-981-000	OFFICE EQUIPMENT	5,074.53	4,400.00	5,952.40		379.99	(1,552.40)	135.28	
<b>Net - Dept 295 - ADMINISTRATIVE</b>		<b>700,075.10</b>	<b>724,212.00</b>	<b>205,736.89</b>		<b>63,793.68</b>	<b>518,475.11</b>		
<b>Dept 445 - DRAIN</b>									
101-445-816-000	DRAIN MAINTENANCE	1,184.12	37,000.00	813.50		0.00	36,186.50	2.20	
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	20,884.00		5,225.00	(5,884.00)	139.23	
101-445-822-000	ILLCIT 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	
<b>Net - Dept 445 - DRAIN</b>		<b>48,719.12</b>	<b>52,900.00</b>	<b>22,197.50</b>		<b>5,225.00</b>	<b>30,702.50</b>		
<b>Dept 446 - ROADS</b>									
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	400,000.00	228.63		0.00	399,771.37	0.06	
101-446-821-500	ROAD ENGINEERING STUDIES	165.00	3,000.00	0.00		0.00	3,000.00	0.00	
<b>Net - Dept 446 - ROADS</b>		<b>1,417,413.89</b>	<b>406,300.00</b>	<b>228.63</b>		<b>0.00</b>	<b>406,071.37</b>		
<b>Dept 447 - YARD WASTE REMOVAL</b>									
101-447-787-000	MISCELLANEOUS	0.00	1,400.00	446.18		0.00	953.82	31.87	
101-447-818-000	CONTRACTED SERVICES	36,046.00	34,000.00	0.00		0.00	34,000.00	0.00	
101-447-820-000	SPRING/FALL CLEAN-UP	17,052.57	26,000.00	3,383.48		0.00	22,616.52	13.01	

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Net - Dept 447 - YARD WASTE REMOVAL</b>		<b>53,098.57</b>	<b>61,400.00</b>	<b>3,829.66</b>	<b>0.00</b>	<b>57,570.34</b>	
<b>Dept 448 - STREET LIGHTS</b>							
101-448-926-000	STREETLIGHTING	128,043.60	120,000.00	32,445.73	0.00	87,554.27	27.04
101-448-927-100	TRAFFIC SIGNALS	1,152.94	3,000.00	59.26	59.26	2,940.74	1.98
<b>Net - Dept 448 - STREET LIGHTS</b>		<b>129,196.54</b>	<b>123,000.00</b>	<b>32,504.99</b>	<b>59.26</b>	<b>90,495.01</b>	
<b>Dept 652 - TRANSPORTATION</b>							
101-652-859-000	TRANSPORTATION SERVICES	35,226.83	44,000.00	9,916.50	3,778.50	34,083.50	22.54
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	128,263.50	26,289.00	8,655.00	6,491.25	17,634.00	32.92
101-652-861-100	BUS SERVICE 28TH ST	153,028.78	127,894.00	86,122.76	43,061.38	41,771.24	67.34
<b>Net - Dept 652 - TRANSPORTATION</b>		<b>316,519.11</b>	<b>200,183.00</b>	<b>104,694.26</b>	<b>53,331.13</b>	<b>95,488.74</b>	
<b>Dept 721 - PLANNING</b>							
101-721-702-000	WAGES- FULL TIME	0.00	0.00	80,091.81	28,613.22	(80,091.81)	100.00
101-721-703-000	COMMUNITY DEVELOPMENT DIRECTOR	88,794.96	90,220.00	0.00	0.00	90,220.00	0.00
101-721-704-000	WAGES- PART TIME	0.00	32,747.00	0.00	0.00	32,747.00	0.00
101-721-704-500	PLANNING INTERN	5,928.00	12,500.00	0.00	0.00	12,500.00	0.00
101-721-705-500	DDA ECONOMIC DEVELOPMENT DIRECTOR	67,127.15	68,180.00	0.00	0.00	68,180.00	0.00
101-721-705-550	COMMUNITY STANDARDS OFFICER	51,378.50	51,182.00	0.00	0.00	51,182.00	0.00
101-721-706-000	PLANNING COMMISSION PER DIEM	6,030.00	9,000.00	0.00	0.00	9,000.00	0.00
101-721-707-000	WAGES- CASUAL	1,020.00	3,000.00	0.00	0.00	3,000.00	0.00
101-721-708-000	WAGES/SALARIES-PLANNING OVERTIME	0.00	1,000.00	0.00	0.00	1,000.00	0.00
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	170.00	0.00	6,830.00	2.43
101-721-727-000	COMM DEV SUPPLIES	436.44	500.00	146.03	0.00	353.97	29.21
101-721-768-000	COMM DEV UNIFORMS	232.85	500.00	107.92	0.00	392.08	21.58
101-721-787-000	MISCELLANEOUS	874.20	500.00	116.20	0.00	383.80	23.24
101-721-860-000	COMM DEV MILEAGE	3,600.34	4,000.00	231.94	70.70	3,768.06	5.80
101-721-862-500	COMM DEV EXPENSE ACCOUNT	264.81	600.00	233.27	0.00	366.73	38.88
101-721-900-000	PRINTING & PUBLISHING	16,612.58	12,000.00	722.43	0.00	11,277.57	6.02
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	405.35	32.07	1,294.65	23.84
101-721-967-000	SPECIAL PROJECTS	96,947.66	60,000.00	9,853.80	716.25	50,146.20	16.42
101-721-981-000	OFFICE EQUIPMENT	339.66	2,200.00	759.98	759.98	1,440.02	34.54
<b>Net - Dept 721 - PLANNING</b>		<b>363,108.15</b>	<b>364,129.00</b>	<b>93,263.73</b>	<b>30,192.22</b>	<b>270,865.27</b>	
<b>Dept 756 - PARKS</b>							
101-756-756-000	PARK OPERATING SUPPLIES	3,191.80	6,000.00	237.26	0.00	5,762.74	3.95
101-756-921-000	PARK ELECTRICITY	5,045.91	5,800.00	744.17	0.00	5,055.83	12.83
101-756-924-000	PARK PHONES	792.49	900.00	303.50	91.10	596.50	33.72
101-756-927-000	PARK WATER-SEWER	2,926.16	3,200.00	298.62	0.00	2,901.38	9.33
101-756-935-000	PARK MAINTENANCE	55,328.70	55,000.00	5,107.27	576.33	49,892.73	9.29
101-756-981-000	OFFICE EQUIPMENT	567.06	5,000.00	0.00	0.00	5,000.00	0.00
<b>Net - Dept 756 - PARKS</b>		<b>67,852.12</b>	<b>75,900.00</b>	<b>6,690.82</b>	<b>667.43</b>	<b>69,209.18</b>	
<b>Dept 803 - HISTORICAL</b>							
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	150.25	0.00	599.75	20.03
101-803-923-000	MUSEUM - HEATING/UTILITY	1,074.19	1,100.00	466.49	135.56	633.51	42.41
101-803-927-000	MUSEUM WATER-SEWER	1,088.22	300.00	74.76	0.00	225.24	24.92
101-803-961-000	MUSEUM MAINTENANCE	1,697.41	2,400.00	141.25	45.00	2,258.75	5.89
<b>Net - Dept 803 - HISTORICAL</b>		<b>10,545.14</b>	<b>10,550.00</b>	<b>6,832.75</b>	<b>180.56</b>	<b>3,717.25</b>	
<b>Dept 850 - BENEFITS/INSURANCE</b>							
101-850-715-000	FICA-EMPLOYER	86,772.59	99,393.00	31,340.05	10,127.51	68,052.95	31.53
101-850-716-000	DEFINED CONTRIBUTION PLAN	66,469.53	0.00	35,327.48	2,497.27	(35,327.48)	100.00
101-850-717-000	WORKERS COMP INSURANCE	31,475.00	30,051.00	1,815.00	0.00	28,236.00	6.04
101-850-718-000	VISION INSURANCE BENEFITS	1,978.96	2,605.00	848.76	0.00	1,756.24	32.58
101-850-718-200	OTHER BENEFITS	0.00	0.00	20,000.00	20,000.00	(20,000.00)	100.00
101-850-719-000	HEALTH INSURANCE BENEFITS	137,551.84	185,092.00	61,874.67	8,058.48	123,217.33	33.43
101-850-719-100	OPT-OUT INSURANCE	4,500.00	4,000.00	500.00	0.00	3,500.00	12.50
101-850-719-200	MI CLAIMS TAX- HEALTH	0.00	850.00	0.00	0.00	850.00	0.00
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	8,652.69	10,058.00	3,328.82	863.45	6,729.18	33.10
101-850-721-000	DENTAL INSURANCE BENEFITS	15,326.13	20,396.00	9,475.98	966.33	10,920.02	46.46
101-850-721-200	MI CLAIMS TAX - DENTAL	90.03	250.00	0.00	0.00	250.00	0.00
101-850-722-000	PENSION PLAN BENEFITS	139,229.32	171,725.00	36,333.59	5,814.32	135,391.41	21.16
101-850-723-000	OTHER BENEFITS	1,500.00	20,500.00	0.00	(12,000.00)	20,500.00	0.00
<b>Net - Dept 850 - BENEFITS/INSURANCE</b>		<b>493,546.09</b>	<b>544,920.00</b>	<b>200,844.35</b>	<b>36,327.36</b>	<b>344,075.65</b>	
<b>Dept 901 - CAPITAL OUTLAY</b>							
101-901-970-000	CAPITAL OUTLAY - FFE	114,054.39	140,000.00	90,313.41	59,839.25	49,686.59	64.51
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	655.50	623.50	449,344.50	0.15
101-901-975-000	CAPITAL OUTLAY - BLDGIMP	253,835.35	30,000.00	(1,388.00)	0.00	31,388.00	(4.63)
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>463,712.47</b>	<b>620,000.00</b>	<b>89,580.91</b>	<b>60,462.75</b>	<b>530,419.09</b>	
<b>Dept 965 - TRANSFERS OUT</b>							
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	10,000.00	0.00	30,000.00	25.00

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018		2019		YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
101-965-999-006	TRANSFER TO FIRE FUND	400,000.00		400,000.00		133,333.32	33,333.33	266,666.68	33.33
<b>Net - Dept 965 - TRANSFERS OUT</b>		<b>443,000.00</b>		<b>441,500.00</b>		<b>143,333.32</b>	<b>33,333.33</b>	<b>298,166.68</b>	
<b>Fund 101 - GENERAL FUND:</b>									
<b>TOTAL REVENUES</b>		<b>4,976,932.76</b>		<b>4,944,829.00</b>		<b>2,260,494.20</b>	<b>434,485.09</b>	<b>2,684,334.80</b>	<b>45.71</b>
<b>TOTAL EXPENDITURES</b>		<b>5,686,503.64</b>		<b>4,895,182.00</b>		<b>1,274,925.83</b>	<b>397,869.66</b>	<b>3,620,256.17</b>	<b>26.04</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>(709,570.88)</b>		<b>49,647.00</b>		<b>985,568.37</b>	<b>36,615.43</b>	<b>(935,921.37)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 101 - GENERAL FUND</b>			
101-000-001-001	CASH DRAWER-PETTY CASH	175.00	
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	472,198.79	
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	68.18	
101-000-001-500	GF CASH - K.C. POOL	1,141,583.83	
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	2,197,112.41	
101-000-001-700	CASH - GIFT CARDS	350.00	
101-000-003-001	CD - INDEPENDENT BANK M 9/27/19	312,389.49	
101-000-003-005	CD - COMERICA M 8/17, 8/18	1,028,848.86	
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/19	524,560.03	
101-000-003-025	CD - MACATAWA BANK M 5/21/2020	262,944.89	
101-000-003-028	CONSUMER CREDIT UNION M 7/08/2019	255,959.76	
101-000-003-033	CD - PRIVATE BANK M3/15/2020	500,000.00	
101-000-003-036	HORIZON BANK CD M3/9/2019	512,673.60	
101-000-003-038	GRAND RIVER BANK CD M 6/19/19	500,000.00	
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	505,208.88	
101-000-017-401	US TREASURY NOTES	999,876.34	
101-000-084-000	DUE FROM OTHER FUNDS	116,752.10	
101-000-202-000	ACCOUNTS PAYABLE		103,292.17
101-000-228-000	DUE TO STATE		1,645.38
101-000-231-220	DEPENDENT LIFE W/H	95.72	
101-000-231-221	ADDITIONAL LIFE W/H	1,210.94	
101-000-231-222	SHORT TERM DISABILITY W/H		165.41
101-000-231-224	LONG TERM CARE W/H	72.50	
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		1,318,680.49
101-000-401-405	STREETLIGHT		71,685.43
101-000-401-410	PERSONAL PROPERTY TAX		95,825.39
101-000-401-420	DELINQUENT TAXES		1,346.48
101-000-401-437	ABATEMENT TAXES		10,472.05
101-000-401-441	COMMUNITY STABILIZATION SHARE TAX		27,237.81
101-000-401-445	INTEREST & PENALTIES ON TAXES		13,217.45
101-000-401-447	TAX ADMINISTRATION FEES		155,614.72
101-000-450-460	CABLE REVENUE		14,031.20
101-000-450-465	CABLE - PEG FEES		4,209.36
101-000-450-490	DOG LICENSES		30.40
101-000-539-576	STATE SHARED REV.-SALES TAX		236,336.00
101-000-600-608	PLANNING AND ZONING FEES		1,250.00
101-000-600-614	PA 198 TAX APPLICATION FEE		1,000.00
101-000-600-626	PASSPORT APPLICATION FEE		13,720.00

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-000-600-634	CEMETERY-OPENINGS AND CLOSINGS		7,454.00
101-000-600-647	YARD WASTE TAG FEE		601.00
101-000-665-000	INTEREST ON INVESTMENTS		90,461.82
101-000-665-002	DAM LEASE PAYMENTS		99,651.67
101-000-665-003	RENTAL OF FACILITIES		3,185.00
101-000-665-004	CELLULAR TOWERS		45,998.73
101-000-671-671	MISCELLANEOUS INCOME		11,511.00
101-000-671-680	MISC INCOME - TRANSIT TICKETS		270.00
101-000-673-000	SALE OF ASSETS		8,633.00
101-000-674-000	4TH OF JULY SPONSORS		15,630.00
101-000-679-000	INTERFUND REIMBURSE/BLDG INSPECTION FUND		12,441.20
101-101-704-000	WAGES- PART TIME	12,537.60	
101-101-723-000	TOWNSHIP DUES	357.00	
101-101-924-100	TRUSTEE CELL PHONES	176.36	
101-101-981-000	OFFICE EQUIPMENT	1,853.39	
101-171-702-000	WAGES- FULL TIME	38,841.94	
101-171-704-000	WAGES- PART TIME	6,965.32	
101-171-723-000	SUPERVISOR MEMBERSHIPS AND DUES	175.00	
101-171-724-000	EDUCATION	250.69	
101-171-860-000	SUPERVISOR MILEAGE	583.22	
101-171-862-550	MANAGER EXPENSE ACCOUNT	198.49	
101-171-925-000	SUPERVISOR CELL PHONE	435.81	
101-171-981-000	OFFICE EQUIPMENT	759.98	
101-215-702-000	WAGES- FULL TIME	23,504.04	
101-215-704-000	WAGES- PART TIME	5,572.28	
101-215-723-000	CLERK MEMBERSHIPS AND DUES	800.00	
101-215-724-000	EDUCATION	594.60	
101-215-860-000	CLERK MILEAGE	115.42	
101-215-862-500	CLERK'S EXPENSE ACCOUNT	47.45	
101-215-925-000	CLERK CELL PHONE	296.21	
101-215-981-000	OFFICE EQUIPMENT	759.98	
101-253-702-000	WAGES- FULL TIME	35,801.98	
101-253-704-000	WAGES- PART TIME	5,572.28	
101-253-707-000	WAGES- CASUAL	974.50	
101-253-723-000	TREASURER MEMBERSHIPS AND DUES	50.00	
101-253-724-000	EDUCATION	1,017.25	
101-253-860-000	TREASURER MILEAGE	77.72	
101-253-924-100	TREASURER'S CELL PHONES	48.09	
101-253-981-000	OFFICE EQUIPMENT	759.98	
101-257-702-000	WAGES- FULL TIME	69,959.74	
101-257-723-000	ASSESSING MEMBERSHIPS AND DUES	190.00	
101-257-724-000	EDUCATION	112.64	
101-257-727-000	ASSESSING OFFICE SUPPLIES	48.51	
101-257-808-000	BOARD OF REVIEW EXPENSES	1,397.64	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-257-860-000	ASSESSING MILEAGE	144.69	
101-257-900-000	ASSESSING PRINTING AND PUBLISHING	504.00	
101-257-924-100	CELL PHONES/DATA	48.09	
101-257-939-000	ASSESSING SERVICE CONTRACTS	2,042.00	
101-257-981-000	OFFICE EQUIPMENT	1,473.40	
101-262-707-000	WAGES- CASUAL	639.00	
101-262-932-000	MAINT/OFFICE EQUIP & COMPUTER REPAIR	444.60	
101-265-702-000	WAGES- FULL TIME	89,410.79	
101-265-707-000	WAGES- CASUAL	1,351.51	
101-265-713-000	OVERTIME	959.42	
101-265-724-000	EDUCATION	105.00	
101-265-768-000	BLDG & GROUNDS UNIFORMS	127.18	
101-265-802-200	JANITORIAL CONTRACT	553.00	
101-265-863-000	VEHICLE MAINT	10,520.74	
101-265-864-000	FUEL	3,315.23	
101-265-921-000	COMPLEX ELECTRICITY	7,075.01	
101-265-923-000	COMPLEX HEATING	3,542.79	
101-265-924-000	COMPLEX PHONES	6,273.84	
101-265-924-100	BLDG AND GROUNDS CELL PHONES	600.47	
101-265-927-000	COMPLEX WATER-SEWER	820.87	
101-265-931-000	COMPLEX MAINTENANCE	17,156.83	
101-265-932-000	OFFICE EQUIP/COMPUTER REPAIR	5,135.00	
101-265-981-000	OFFICE EQUIPMENT	899.99	
101-276-921-000	CEMETERY ELECTRICITY	172.83	
101-276-931-000	MAINT & REPAIR/IMPROVEMENTS	500.00	
101-276-932-000	CEMETERY MAINT	536.63	
101-295-702-000	WAGES- FULL TIME	31,100.17	
101-295-723-000	MEMBERSHIP AND DUES	50.00	
101-295-726-000	EMPLOYEE TRAINING	523.16	
101-295-727-000	OFFICE SUPPLIES	3,214.81	
101-295-730-000	POSTAGE	2,817.01	
101-295-787-000	MISCELLANEOUS	2,728.79	
101-295-807-000	AUDIT FEES & SERVICES	12,640.00	
101-295-810-000	LIABILITY INSURANCE	16,998.00	
101-295-814-000	TAX/ASSESSING ADMIN COSTS	4,999.15	
101-295-815-000	COMPUTER COSTS-ISP	2,467.00	
101-295-821-000	ENGINEERING COSTS	6,337.50	
101-295-826-000	LEGAL FEES	18,197.60	
101-295-881-000	FOURTH OF JULY	21,899.97	
101-295-885-000	NEWSLETTER	3,663.16	
101-295-900-000	PRINTING/PUBLISHING	2,137.69	
101-295-924-100	CELL PHONES/DATA	629.16	
101-295-939-000	SERVICE CONTRACTS	1,161.00	
101-295-941-000	POSTAGE MACHINE LEASE	688.17	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
101-295-950-000	PROPERTY TAX REFUNDS	517.54	
101-295-952-000	REGIS	19,282.16	
101-295-956-000	RIGHT PLACE PROGRAM	7,500.00	
101-295-967-000	SPECIAL PROJECTS	40,232.45	
101-295-981-000	OFFICE EQUIPMENT	5,952.40	
101-445-816-000	DRAIN MAINTENANCE	813.50	
101-445-821-000	DRAIN ENGINEERING	20,884.00	
101-445-822-000	ILLICIT DISCHARGE PLAN	500.00	
101-446-821-000	ROAD OVERLAYS	228.63	
101-447-787-000	MISCELLANEOUS	446.18	
101-447-820-000	SPRING/FALL CLEAN-UP	3,383.48	
101-448-926-000	STREETLIGHTING	32,445.73	
101-448-927-100	TRAFFIC SIGNALS	59.26	
101-652-859-000	TRANSPORTATION SERVICES	9,916.50	
101-652-861-000	BUS SERVICE 33RD & 36TH	8,655.00	
101-652-861-100	BUS SERVICE 28TH ST	86,122.76	
101-721-702-000	WAGES- FULL TIME	80,091.81	
101-721-723-000	COMM DEV MEMBERSHIPS AND DUES	425.00	
101-721-724-000	EDUCATION	170.00	
101-721-727-000	COMM DEV SUPPLIES	146.03	
101-721-768-000	COMM DEV UNIFORMS	107.92	
101-721-787-000	MISCELLANEOUS	116.20	
101-721-860-000	COMM DEV MILEAGE	231.94	
101-721-862-500	COMM DEV EXPENSE ACCOUNT	233.27	
101-721-900-000	PRINTING & PUBLISHING	722.43	
101-721-925-000	COMM DEV CELL/DATA	405.35	
101-721-967-000	SPECIAL PROJECTS	9,853.80	
101-721-981-000	OFFICE EQUIPMENT	759.98	
101-756-756-000	PARK OPERATING SUPPLIES	237.26	
101-756-921-000	PARK ELECTRICITY	744.17	
101-756-924-000	PARK PHONES	303.50	
101-756-927-000	PARK WATER-SEWER	298.62	
101-756-935-000	PARK MAINTENANCE	5,107.27	
101-803-758-000	COMMUNITY PROMOTION	6,000.00	
101-803-921-000	MUSEUM - ELECTRICITY	150.25	
101-803-923-000	MUSEUM - HEATING/UTILITY	466.49	
101-803-927-000	MUSEUM WATER-SEWER	74.76	
101-803-961-000	MUSEUM MAINTENANCE	141.25	
101-850-715-000	FICA-EMPLOYER	31,340.05	
101-850-716-000	DEFINED CONTRIBUTION PLAN	35,327.48	
101-850-717-000	WORKERS COMP INSURANCE	1,815.00	
101-850-718-000	VISION INSURANCE BENEFITS	848.76	
101-850-718-200	OTHER BENEFITS	20,000.00	
101-850-719-000	HEALTH INSURANCE BENEFITS	61,874.67	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

<b>GL NUMBER</b>	<b>DESCRIPTION</b>	<b>BALANCE DEBIT</b>	<b>BALANCE CREDIT</b>
101-850-719-100	OPT-OUT INSURANCE	500.00	
101-850-720-000	LIFE & DIS INSURANCE BENEFITS	3,328.82	
101-850-721-000	DENTAL INSURANCE BENEFITS	9,475.98	
101-850-722-000	PENSION PLAN BENEFITS	36,333.59	
101-901-970-000	CAPITAL OUTLAY - FFE	90,313.41	
101-901-974-000	CAPITAL OUTLAY - LANDIMP	655.50	
101-901-975-000	CAPITAL OUTLAY - BLDGIMP		1,388.00
101-965-999-005	TRANSFER TO DAM MAJOR REPAIR	10,000.00	
101-965-999-006	TRANSFER TO FIRE FUND	133,333.32	
<b>Total Fund 101 - GENERAL FUND</b>		<b>11,608,395.15</b>	<b>11,608,395.15</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 101 - GENERAL FUND</b>		
<b>*** Assets ***</b>		
101-000-001-001	CASH DRAWER-PETTY CASH	175.00
101-000-001-110	FLAGSTAR BANK - CASH GENERAL FUND	472,198.79
101-000-001-111	GENL CASH RECEIVING & WIRE - FLAGSTAR	68.18
101-000-001-500	GF CASH - K.C. POOL	1,141,583.83
101-000-001-510	MI CLASS CASH - POOL ACCOUNTS	2,197,112.41
101-000-001-700	CASH - GIFT CARDS	350.00
101-000-003-001	CD - INDEPENDENT BANK M 9/27/19	312,389.49
101-000-003-005	CD - COMERICA M 8/17, 8/18	1,028,848.86
101-000-003-022	CD- MERCANTILE BANK OF MI M 7/26/19	524,560.03
101-000-003-025	CD - MACATAWA BANK M 5/21/2020	262,944.89
101-000-003-028	CONSUMER CREDIT UNION M 7/08/2019	255,959.76
101-000-003-033	CD - PRIVATE BANK M3/15/2020	500,000.00
101-000-003-036	HORIZON BANK CD M3/9/2019	512,673.60
101-000-003-038	GRAND RIVER BANK CD M 6/19/19	500,000.00
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	505,208.88
101-000-017-401	US TREASURY NOTES	999,876.34
101-000-084-000	DUE FROM OTHER FUNDS	116,752.10
	<b>Total Assets</b>	<b>10,330,702.16</b>
<b>*** Liabilities ***</b>		
101-000-202-000	ACCOUNTS PAYABLE	103,292.17
101-000-228-000	DUE TO STATE	1,645.38
101-000-231-220	DEPENDENT LIFE W/H	(95.72)
101-000-231-221	ADDITIONAL LIFE W/H	(1,210.94)
101-000-231-222	SHORT TERM DISABILITY W/H	165.41
101-000-231-224	LONG TERM CARE W/H	(72.50)
	<b>Total Liabilities</b>	<b>103,723.80</b>
<b>*** Fund Balance ***</b>		
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
	<b>Total Fund Balance</b>	<b>9,241,409.99</b>
	<b>Beginning Fund Balance</b>	<b>9,241,409.99</b>
	<b>Net of Revenues VS Expenditures</b>	<b>985,568.37</b>
	<b>Ending Fund Balance</b>	<b>10,226,978.36</b>
	<b>Total Liabilities And Fund Balance</b>	<b>10,330,702.16</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 151 - CEMETERY TRUST FUND</b>							
<b>Revenues</b>							
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	270.00	250.00	3,230.00	7.71
151-000-665-000	INTEREST ON INVESTMENTS	540.29	550.00	134.48	46.34	415.52	24.45
151-000-699-101	TRANSFER FROM GENERAL FUND	3,000.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL REVENUES</b>		<b>8,425.29</b>	<b>5,550.00</b>	<b>404.48</b>	<b>296.34</b>	<b>5,145.52</b>	
<b>Expenditures</b>							
<b>Dept 276 - CEMETERY</b>							
151-276-787-000	MISCELLANEOUS	1,073.27	500.00	0.00	0.00	500.00	0.00
151-276-931-000	MAINT & REPAIR/IMPROVEMENTS	3,364.00	2,000.00	0.00	0.00	2,000.00	0.00
<b>Net - Dept 276 - CEMETERY</b>		<b>4,437.27</b>	<b>2,500.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,500.00</b>	
<b>Fund 151 - CEMETERY TRUST FUND:</b>							
<b>TOTAL REVENUES</b>		<b>8,425.29</b>	<b>5,550.00</b>	<b>404.48</b>	<b>296.34</b>	<b>5,145.52</b>	<b>7.29</b>
<b>TOTAL EXPENDITURES</b>		<b>4,437.27</b>	<b>2,500.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,500.00</b>	<b>0.00</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>3,988.02</b>	<b>3,050.00</b>	<b>404.48</b>	<b>296.34</b>	<b>2,645.52</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

<b>GL NUMBER</b>	<b>DESCRIPTION</b>	<b>BALANCE DEBIT</b>	<b>BALANCE CREDIT</b>
<b>Fund 151 - CEMETERY TRUST FUND</b>			
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	109,641.25	
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		270.00
151-000-665-000	INTEREST ON INVESTMENTS		134.48
<b>Total Fund 151 - CEMETERY TRUST FUND</b>		<b>109,641.25</b>	<b>109,641.25</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 151 - CEMETERY TRUST FUND</b>		
<b>*** Assets ***</b>		
151-000-015-005	MONEY MARKET LAKE MICH CR UN 12/15	109,641.25
	<b>Total Assets</b>	<u>109,641.25</u>
<b>*** Liabilities ***</b>		
	<b>Total Liabilities</b>	<u>0.00</u>
<b>*** Fund Balance ***</b>		
151-000-390-000	FUND BALANCE - UNASSIGNED	104,236.77
151-000-391-001	FUND BALANCE-COMMITTED WHITNEYVILLE M 11	5,000.00
	<b>Total Fund Balance</b>	<u>109,236.77</u>
	<b>Beginning Fund Balance</b>	<b>109,236.77</b>
	<b>Net of Revenues VS Expenditures</b>	<b>404.48</b>
	<b>Ending Fund Balance</b>	<u><b>109,641.25</b></u>
	<b>Total Liabilities And Fund Balance</b>	<u><b>109,641.25</b></u>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018		2019		YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	NORM (ABNORM)	MONTH 04/30/2019	BALANCE	INCR (DECR)	NORM (ABNORM)	
<b>Fund 206 - FIRE FUND</b>									
<b>Revenues</b>									
206-000-401-402	TAX LEVY	1,752,668.85	1,831,552.00	1,784,972.06	(14,175.33)	46,579.94		97.46	
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	1,777.69	1,777.69	6,222.31		22.22	
206-000-401-437	ABATEMENT TAXES-LEVY	14,020.27	14,894.00	14,175.33	14,175.33	718.67		95.17	
206-000-401-441	COMMUNITY STABILIZATION SHARE TAX	51,815.63	47,558.00	40,739.06	40,739.06	6,818.94		85.66	
206-000-401-445	PENALTIES & INTEREST ON TAXES	348.25	350.00	333.77	39.60	16.23		95.36	
206-000-655-661	DISTRICT COURT FINES	0.00	500.00	0.00	0.00	500.00		0.00	
206-000-665-000	INTEREST REVENUE	59,980.97	70,000.00	19,188.63	2,702.59	50,811.37		27.41	
206-000-665-210	INT ON INVESTMENT COAMERICA PIR148983	3,750.00	7,500.00	0.00	0.00	7,500.00		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	5.00	0.00	245.00		2.00	
206-000-673-000	SALE OF ASSETS	0.00	2,000.00	24,000.00	0.00	(22,000.00)		1,200.00	
206-000-699-000	TRANSFER IN	400,000.00	400,000.00	133,333.32	33,333.33	266,666.68		33.33	
<b>TOTAL REVENUES</b>		<b>2,415,584.13</b>	<b>2,517,424.00</b>	<b>2,148,237.63</b>	<b>78,592.27</b>	<b>369,186.37</b>			
<b>Expenditures</b>									
<b>Dept 336 - FIRE DEPARTMENT</b>									
206-336-702-000	WAGES- FULL TIME	0.00	0.00	409,987.23	142,961.06	(409,987.23)		100.00	
206-336-703-000	FIREFIGHTERS SALARY	883,772.78	950,256.00	0.00	0.00	950,256.00		0.00	
206-336-703-200	ASSIGNABLE SALARY	0.00	34,827.00	0.00	0.00	34,827.00		0.00	
206-336-705-000	FIRE CHIEF	87,927.29	89,338.00	0.00	0.00	89,338.00		0.00	
206-336-707-000	WAGES- CASUAL	76,094.63	77,748.00	65,865.46	21,232.68	11,882.54		84.72	
206-336-708-000	LIEUTENANT-TS	69,140.99	73,274.00	0.00	0.00	73,274.00		0.00	
206-336-708-200	LIEUTENANT-DV	76,191.46	77,719.00	0.00	0.00	77,719.00		0.00	
206-336-708-400	FIRE INSPECTOR	68,430.96	69,560.00	0.00	0.00	69,560.00		0.00	
206-336-709-000	WAGES/SALARIES OVERTIME	85,297.81	70,000.00	0.00	0.00	70,000.00		0.00	
206-336-710-000	FIRE PAID ON CALL	90,780.56	120,000.00	0.00	0.00	120,000.00		0.00	
206-336-713-000	OVERTIME	0.00	0.00	28,666.35	7,131.82	(28,666.35)		100.00	
206-336-723-000	FIRE MEMBERSHIP AND DUES	1,281.00	1,700.00	812.12	301.06	887.88		47.77	
206-336-724-000	FIRE EDUCATION	6,438.56	10,000.00	8,094.19	599.74	1,905.81		80.94	
206-336-725-000	FIRE TUITION	3,076.00	4,500.00	4,046.50	0.00	453.50		89.92	
206-336-726-000	FIRE TRAINING	8,025.87	12,000.00	4,677.70	981.78	7,322.30		38.98	
206-336-727-000	FIRE OFFICE SUPPLIES	3,058.17	3,000.00	1,163.36	326.74	1,836.64		38.78	
206-336-738-000	FIRE MAINT SUPPLIES	2,136.24	1,700.00	1,041.59	0.00	658.41		61.27	
206-336-745-000	FIRE FUELS	19,667.84	20,000.00	5,035.28	0.00	14,964.72		25.18	
206-336-768-000	FIRE UNIFORMS	22,000.71	10,000.00	3,017.83	160.48	6,982.17		30.18	
206-336-787-000	MISCELLANEOUS	4,266.01	4,000.00	827.81	365.54	3,172.19		20.70	
206-336-802-000	FIRE CONTRACTUAL SERVICE	11,227.46	12,600.00	4,268.00	0.00	8,332.00		33.87	
206-336-803-000	FIRE FIGHTER HIRING	1,603.00	2,000.00	2,425.68	1,058.00	(425.68)		121.28	
206-336-807-000	FIRE AUDIT FEES & SERVICES	2,325.00	2,805.00	2,370.00	1,920.00	435.00		84.49	
206-336-810-000	LIABILITY INSURANCE	16,150.00	15,987.00	16,998.00	0.00	(1,011.00)		106.32	
206-336-826-000	FIRE LEGAL FEES	608.00	1,000.00	0.00	0.00	1,000.00		0.00	
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	1,457.20	0.00	1,542.80		48.57	
206-336-901-000	FIRE PUBLICATIONS	2,777.08	1,500.00	481.75	(286.00)	1,018.25		32.12	
206-336-921-002	FIRE ELECTRICITY/BUTTRICK	7,929.83	12,000.00	2,801.61	0.00	9,198.39		23.35	
206-336-923-002	FIRE HEATING/BUTTRICK	3,588.36	4,320.00	2,329.27	673.79	1,990.73		53.92	
206-336-924-000	FIRE PHONES	5,372.27	7,000.00	1,121.28	281.47	5,878.72		16.02	
206-336-924-002	FIRE PHONES/BUTTRICK	2,720.67	3,000.00	1,387.98	327.11	1,612.02		46.27	
206-336-924-100	CELL PHONES/DATA-MODEMS	5,539.16	4,500.00	3,464.00	719.07	1,036.00		76.98	
206-336-927-000	FIRE WATER/BUTTRICK	1,103.75	2,500.00	194.96	0.00	2,305.04		7.80	
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	2,666.45	4,000.00	300.49	0.00	3,699.51		7.51	
206-336-936-000	FIRE STATION MAINT	15,071.35	16,000.00	5,094.64	1,246.18	10,905.36		31.84	
206-336-936-002	FIRE STATION MAINT/BUTTRICK	16,528.25	25,000.00	4,380.47	773.16	20,619.53		17.52	
206-336-937-000	FIRE RADIO MAINT	5,782.83	10,000.00	4,610.79	0.00	5,389.21		46.11	
206-336-938-000	FIRE EQUIPMENT MAINT	63,129.92	48,000.00	6,753.30	2,619.73	41,246.70		14.07	
206-336-939-000	FIRE COPIER/LEASE/SERVICE	2,950.64	2,500.00	786.57	278.41	1,713.43		31.46	
206-336-941-000	FIRE POSTAGE & MACHINE LEASE	750.00	900.00	150.00	0.00	750.00		16.67	
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	13,261.82	0.00	2,738.18		82.89	
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	10,297.30	13,000.00	5,128.36	1,268.32	7,871.64		39.45	
206-336-959-000	FIRE PROTECTIVE CLOTHING	29,542.69	40,000.00	8,303.59	4,219.86	31,696.41		20.76	
206-336-960-960	FIRE HAZMAT	0.00	2,000.00	0.00	0.00	2,000.00		0.00	
206-336-981-000	OFFICE EQUIPMENT	18,870.20	25,000.00	3,704.23	0.00	21,295.77		14.82	
<b>Net - Dept 336 - FIRE DEPARTMENT</b>		<b>1,750,417.25</b>	<b>1,904,734.00</b>	<b>625,009.41</b>	<b>189,160.00</b>	<b>1,279,724.59</b>			
<b>Dept 850 - BENEFITS/INSURANCE</b>									
206-850-715-000	FICA-EMPLOYER	104,089.28	116,882.00	39,300.26	12,464.34	77,581.74		33.62	
206-850-716-000	DEFINED CONTRIBUTION PLAN	137,641.65	0.00	18,502.29	1,976.01	(18,502.29)		100.00	
206-850-717-000	WORKERS COMP INSURANCE	78,309.65	74,776.00	4,501.20	0.00	70,274.80		6.02	
206-850-718-000	VISION INSURANCE BENEFITS	2,495.64	3,010.00	858.40	0.00	2,151.60		28.52	
206-850-718-200	OTHER BENEFITS	0.00	0.00	16,000.00	16,000.00	(16,000.00)		100.00	
206-850-719-000	HEALTH INSURANCE BENEFITS	140,985.27	172,310.00	87,228.82	18,463.83	85,081.18		50.62	
206-850-719-100	OPT-OUT INSURANCE	6,113.10	6,000.00	1,500.00	0.00	4,500.00		25.00	
206-850-719-200	MI CLAIMS TAX- HEALTH	0.00	1,400.00	0.00	0.00	1,400.00		0.00	
206-850-720-000	LIFE & DISABILITY INSURANCE	9,866.22	11,893.00	4,597.84	1,149.46	7,295.16		38.66	
206-850-720-100	FIRE CASUALTY INSURANCE	18,649.00	0.00	0.00	0.00	0.00		0.00	

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018		2019		YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019	MONTH 04/30/2019	BALANCE			
206-850-721-000	DENTAL INSURANCE BENEFITS	19,523.87	23,160.00	5,279.58	2,115.87	17,880.42		22.80	
206-850-721-200	MI CLAIMS TAX - DENTAL	143.86	350.00	0.00	0.00	350.00		0.00	
206-850-722-000	PENSION PLAN BENEFITS	152,550.90	205,351.00	44,332.47	8,338.84	161,018.53		21.59	
206-850-723-000	OTHER BENEFITS	0.00	21,000.00	0.00	(16,000.00)	21,000.00		0.00	
<b>Net - Dept 850 - BENEFITS/INSURANCE</b>		<b>670,368.44</b>	<b>636,132.00</b>	<b>222,100.86</b>	<b>44,508.35</b>	<b>414,031.14</b>			
<b>Dept 901 - CAPITAL OUTLAY</b>									
206-901-970-000	CAPITAL OUTLAY - FFE	77,461.30	35,000.00	34,425.04	731.84	574.96		98.36	
206-901-974-000	CAPITAL OUTLAY - LAND IMP	6,269.84	0.00	0.00	0.00	0.00		0.00	
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>83,731.14</b>	<b>35,000.00</b>	<b>34,425.04</b>	<b>731.84</b>	<b>574.96</b>			
<b>Fund 206 - FIRE FUND:</b>									
<b>TOTAL REVENUES</b>		<b>2,415,584.13</b>	<b>2,517,424.00</b>	<b>2,148,237.63</b>	<b>78,592.27</b>	<b>369,186.37</b>		<b>85.33</b>	
<b>TOTAL EXPENDITURES</b>		<b>2,504,516.83</b>	<b>2,575,866.00</b>	<b>881,535.31</b>	<b>234,400.19</b>	<b>1,694,330.69</b>		<b>34.22</b>	
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>(88,932.70)</b>	<b>(58,442.00)</b>	<b>1,266,702.32</b>	<b>(155,807.92)</b>	<b>(1,325,144.32)</b>			

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 206 - FIRE FUND</b>			
206-000-001-001	CASH DRAWER-PETTY CASH	80.00	
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	1,131,867.33	
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	104,535.68	
206-000-003-000	53RD -CASH	0.05	
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00	
206-000-003-025	CD - MACATAWA BANK M 7/26/19	304,197.50	
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 5/28/19	991,248.61	
206-000-202-000	ACCOUNTS PAYABLE		1,020.98
206-000-214-000	DUE TO OTHER FUNDS		84,294.80
206-000-231-220	FIRE DEPENDENT LIFE W/H	70.20	
206-000-390-000	FUND BALANCE - UNASSIGNED		2,463,214.99
206-000-401-402	TAX LEVY		1,784,972.06
206-000-401-410	PERSONAL PROPERTY TAX		129,712.77
206-000-401-412	DELINQUENT TAXES-LEVY		1,777.69
206-000-401-437	ABATEMENT TAXES-LEVY		14,175.33
206-000-401-441	COMMUNITY STABILIZATION SHARE TAX		40,739.06
206-000-401-445	PENALTIES & INTEREST ON TAXES		333.77
206-000-665-000	INTEREST REVENUE		19,188.63
206-000-671-683	REIMBURSEMENTS/REFUNDS		5.00
206-000-673-000	SALE OF ASSETS		24,000.00
206-000-699-000	TRANSFER IN		133,333.32
206-336-702-000	WAGES- FULL TIME	409,987.23	
206-336-707-000	WAGES- CASUAL	65,865.46	
206-336-713-000	OVERTIME	28,666.35	
206-336-723-000	FIRE MEMBERSHIP AND DUES	812.12	
206-336-724-000	FIRE EDUCATION	8,094.19	
206-336-725-000	FIRE TUITION	4,046.50	
206-336-726-000	FIRE TRAINING	4,677.70	
206-336-727-000	FIRE OFFICE SUPPLIES	1,163.36	
206-336-738-000	FIRE MAINT SUPPLIES	1,041.59	
206-336-745-000	FIRE FUELS	5,035.28	
206-336-768-000	FIRE UNIFORMS	3,017.83	
206-336-787-000	MISCELLANEOUS	827.81	
206-336-802-000	FIRE CONTRACTUAL SERVICE	4,268.00	
206-336-803-000	FIRE FIGHTER HIRING	2,425.68	
206-336-807-000	FIRE AUDIT FEES & SERVICES	2,370.00	
206-336-810-000	LIABILITY INSURNACE	16,998.00	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
206-336-887-000	FIRE PUBLIC RELATIONS	1,457.20	
206-336-901-000	FIRE PUBLICATIONS	481.75	
206-336-921-002	FIRE ELECTRICITY/BUTTRICK	2,801.61	
206-336-923-002	FIRE HEATING/BUTTRICK	2,329.27	
206-336-924-000	FIRE PHONES	1,121.28	
206-336-924-002	FIRE PHONES/BUTTRICK	1,387.98	
206-336-924-100	CELL PHONES/DATA-MODEMS	3,464.00	
206-336-927-002	FIRE WATER/BUTTRICK	194.96	
206-336-932-000	FIRE OFF EQUIP & COMPUTER REPA	300.49	
206-336-936-000	FIRE STATION MAINT	5,094.64	
206-336-936-002	FIRE STATION MAINT/BUTTRICK	4,380.47	
206-336-937-000	FIRE RADIO MAINT	4,610.79	
206-336-938-000	FIRE EQUIPMENT MAINT	6,753.30	
206-336-939-000	FIRE COPIER/LEASE/SERVICE	786.57	
206-336-941-000	FIRE POSTAGE & MACHINE LEASE	150.00	
206-336-957-000	FIRE PHYSICAL EXAMS	13,261.82	
206-336-958-000	FIRE SUPPLEMENTAL EQUIPMENT	5,128.36	
206-336-959-000	FIRE PROTECTIVE CLOTHING	8,303.59	
206-336-981-000	OFFICE EQUIPMENT	3,704.23	
206-850-715-000	FICA-EMPLOYER	39,300.26	
206-850-716-000	DEFINED CONTRIBUTION PLAN	18,502.29	
206-850-717-000	WORKERS COMP INSURANCE	4,501.20	
206-850-718-000	VISION INSURANCE BENEFITS	858.40	
206-850-718-200	OTHER BENEFITS	16,000.00	
206-850-719-000	HEALTH INSURANCE BENEFITS	87,228.82	
206-850-719-100	OPT-OUT INSURANCE	1,500.00	
206-850-720-000	LIFE & DISABILITY INSURANCE	4,597.84	
206-850-721-000	DENTAL INSURANCE BENEFITS	5,279.58	
206-850-722-000	PENSION PLAN BENEFITS	44,332.47	
206-901-970-000	CAPITAL OUTLAY - FFE	34,425.04	
<b>Total Fund 206 - FIRE FUND</b>		<b>4,696,768.40</b>	<b>4,696,768.40</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 206 - FIRE FUND</b>		
<b>*** Assets ***</b>		
206-000-001-001	CASH DRAWER-PETTY CASH	80.00
206-000-001-510	MI CLASS CASH - POOL ACCOUNTS	1,131,867.33
206-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	104,535.68
206-000-003-000	53RD -CASH	0.05
206-000-003-015	CD - COMMUNITY WEST CR UN	5.00
206-000-003-025	CD - MACATAWA BANK M 7/26/19	304,197.50
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 5/28/19	991,248.61
	<b>Total Assets</b>	<b><u>3,815,162.89</u></b>
<b>*** Liabilities ***</b>		
206-000-202-000	ACCOUNTS PAYABLE	1,020.98
206-000-214-000	DUE TO OTHER FUNDS	84,294.80
206-000-231-220	FIRE DEPENDENT LIFE W/H	(70.20)
	<b>Total Liabilities</b>	<b><u>85,245.58</u></b>
<b>*** Fund Balance ***</b>		
206-000-390-000	FUND BALANCE - UNASSIGNED	2,463,214.99
	<b>Total Fund Balance</b>	<b><u>2,463,214.99</u></b>
	<b>Beginning Fund Balance</b>	<b>2,463,214.99</b>
	<b>Net of Revenues VS Expenditures</b>	<b>1,266,702.32</b>
	<b>Ending Fund Balance</b>	<b><u>3,729,917.31</u></b>
	<b>Total Liabilities And Fund Balance</b>	<b><u>3,815,162.89</u></b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 207 - POLICE FUND</b>							
<b>Revenues</b>							
207-000-401-402	TAX LEVY	611,783.55	639,306.00	623,046.64	(4,947.98)	16,259.36	97.46
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	620.46	620.46	4,379.54	12.41
207-000-401-437	ABATEMENT TAXES-LEVY	4,893.96	5,200.00	4,947.98	4,947.98	252.02	95.15
207-000-401-441	COMMUNITY STABILIZATION SHARE TAX	9,813.21	16,601.00	14,582.62	14,582.62	2,018.38	87.84
207-000-401-445	INTEREST & PENALTIES ON TAX	121.47	150.00	116.46	13.82	33.54	77.64
207-000-665-000	INTEREST REVENUE	12,054.27	30,000.00	1,032.56	503.72	28,967.44	3.44
<b>TOTAL REVENUES</b>		<b>683,352.93</b>	<b>742,812.00</b>	<b>689,623.32</b>	<b>15,720.62</b>	<b>53,188.68</b>	
<b>Dept 301 - POLICE DEPARTMENT</b>							
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	155,007.09	53,158.47	509,992.91	23.31
207-301-950-000	PROPERTY TAX REFUNDS	0.00	150.00	0.00	0.00	150.00	0.00
<b>Net - Dept 301 - POLICE DEPARTMENT</b>		<b>643,617.48</b>	<b>670,150.00</b>	<b>155,007.09</b>	<b>53,158.47</b>	<b>515,142.91</b>	
<b>Dept 965 - TRANSFERS OUT</b>							
207-965-999-000	TRANSFER TO OTHER FUND	31,499.00	31,499.00	0.00	0.00	31,499.00	0.00
<b>Net - Dept 965 - TRANSFERS OUT</b>		<b>31,499.00</b>	<b>31,499.00</b>	<b>0.00</b>	<b>0.00</b>	<b>31,499.00</b>	
<b>Fund 207 - POLICE FUND:</b>							
<b>TOTAL REVENUES</b>		<b>683,352.93</b>	<b>742,812.00</b>	<b>689,623.32</b>	<b>15,720.62</b>	<b>53,188.68</b>	<b>92.84</b>
<b>TOTAL EXPENDITURES</b>		<b>675,116.48</b>	<b>701,649.00</b>	<b>155,007.09</b>	<b>53,158.47</b>	<b>546,641.91</b>	<b>22.09</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>8,236.45</b>	<b>41,163.00</b>	<b>534,616.23</b>	<b>(37,437.85)</b>	<b>(493,453.23)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 207 - POLICE FUND</b>			
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05	
207-000-003-019	CD- FLAGSTAR BANK M 7/15/19	250,000.00	
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	322,487.07	
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		623,046.64
207-000-401-410	PERSONAL PROPERTY TAX		45,276.60
207-000-401-412	DELINQUENT TAXES-LEVY		620.46
207-000-401-437	ABATEMENT TAXES-LEVY		4,947.98
207-000-401-441	COMMUNITY STABILIZATION SHARE TAX		14,582.62
207-000-401-445	INTEREST & PENALTIES ON TAX		116.46
207-000-665-000	INTEREST REVENUE		1,032.56
207-301-801-000	SHERIFF PROTECTION	155,007.09	
<b>Total Fund 207 - POLICE FUND</b>		<b>2,001,033.82</b>	<b>2,001,033.82</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 207 - POLICE FUND</b>		
<b>*** Assets ***</b>		
207-000-003-000	CASH-POLICE FUND - 53RD SECURITIES	0.05
207-000-003-019	CD- FLAGSTAR BANK M 7/15/19	250,000.00
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	322,487.07
	<b>Total Assets</b>	<b>1,846,026.73</b>
<b>*** Liabilities ***</b>		
	<b>Total Liabilities</b>	<b>0.00</b>
<b>*** Fund Balance ***</b>		
207-000-390-000	FUND BALANCE - UNASSIGNED	1,081,410.50
207-000-391-001	FUND BALANCE - COMMITTED/ PP TAX 2012	230,000.00
	<b>Total Fund Balance</b>	<b>1,311,410.50</b>
	<b>Beginning Fund Balance</b>	<b>1,311,410.50</b>
	<b>Net of Revenues VS Expenditures</b>	<b>534,616.23</b>
	<b>Ending Fund Balance</b>	<b>1,846,026.73</b>
	<b>Total Liabilities And Fund Balance</b>	<b>1,846,026.73</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 208 - HAZMAT FUND</b>							
<b>Revenues</b>							
208-000-607-500	HAZMAT - CASCADE TWP	0.00	2,000.00	0.00	0.00	2,000.00	0.00
208-000-607-600	HAZMAT KENTWOOD	0.00	2,000.00	0.00	0.00	2,000.00	0.00
208-000-607-700	HAZMAT - GAINES TWP	0.00	2,000.00	0.00	0.00	2,000.00	0.00
208-000-665-000	HAZMAT INTEREST	105.13	200.00	23.65	8.15	176.35	11.83
<b>TOTAL REVENUES</b>		<b>105.13</b>	<b>6,200.00</b>	<b>23.65</b>	<b>8.15</b>	<b>6,176.35</b>	
<b>Dept 344 - HAZMAT</b>							
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	129.01	0.00	1,370.99	8.60
208-344-789-000	HAZMAT TRAINING	1,266.93	3,000.00	0.00	0.00	3,000.00	0.00
208-344-958-000	HAZMAT EQUIPMENT	4,981.50	3,000.00	0.00	0.00	3,000.00	0.00
<b>Net - Dept 344 - HAZMAT</b>		<b>6,248.43</b>	<b>8,000.00</b>	<b>129.01</b>	<b>0.00</b>	<b>7,870.99</b>	
<b>Fund 208 - HAZMAT FUND:</b>							
<b>TOTAL REVENUES</b>		<b>105.13</b>	<b>6,200.00</b>	<b>23.65</b>	<b>8.15</b>	<b>6,176.35</b>	<b>0.38</b>
<b>TOTAL EXPENDITURES</b>		<b>6,248.43</b>	<b>8,000.00</b>	<b>129.01</b>	<b>0.00</b>	<b>7,870.99</b>	<b>1.61</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>(6,143.30)</b>	<b>(1,800.00)</b>	<b>(105.36)</b>	<b>8.15</b>	<b>(1,694.64)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 208 - HAZMAT FUND</b>			
208-000-015-005	MM LAKE MICH CR UN 112010265771	27,371.15	
208-000-390-000	FUND BALANCE - UNASSIGNED		27,476.51
208-000-665-000	HAZMAT INTEREST		23.65
208-344-787-000	MISCELLANEOUS	129.01	
<b>Total Fund 208 - HAZMAT FUND</b>		<b>27,500.16</b>	<b>27,500.16</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 208 - HAZMAT FUND</b>		
<b>*** Assets ***</b>		
208-000-015-005	MM LAKE MICH CR UN 112010265771	27,371.15
	<b>Total Assets</b>	<u>27,371.15</u>
<b>*** Liabilities ***</b>		
	<b>Total Liabilities</b>	<u>0.00</u>
<b>*** Fund Balance ***</b>		
208-000-390-000	FUND BALANCE - UNASSIGNED	27,476.51
	<b>Total Fund Balance</b>	<u>27,476.51</u>
	<b>Beginning Fund Balance</b>	27,476.51
	<b>Net of Revenues VS Expenditures</b>	(105.36)
	<b>Ending Fund Balance</b>	<u>27,371.15</u>
	<b>Total Liabilities And Fund Balance</b>	<u>27,371.15</u>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018		2019		YTD BALANCE 04/30/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 04/30/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	PRE-AUDIT BALANCE	AMENDED BUDGET				
<b>Fund 209 - CCT OPEN SPACE</b>									
<b>Revenues</b>									
209-000-401-402	TAX LEVY	306,473.11	320,265.00	312,118.17			(2,478.81)	8,146.83	97.46
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	310.78			310.78	1,689.22	15.54
209-000-401-437	ABATEMENT TAXES-LEVY	2,451.67	2,604.00	2,478.81			2,478.81	125.19	95.19
209-000-401-441	COMMUNITY STABILIZATION SHARE TAX	24,035.25	8,317.00	6,350.74			6,350.74	1,966.26	76.36
209-000-401-445	INTEREST & PENALTIES ON TAXES	60.67	75.00	58.27			6.88	16.73	77.69
209-000-665-000	INTEREST ON INVESTMENTS	4,690.54	2,400.00	2,193.59			1,901.53	206.41	91.40
209-000-665-408	INTEREST ON HOMEYER FUND	6,699.46	8,000.00	2,300.38			792.82	5,699.62	28.75
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
<b>TOTAL REVENUES</b>		<b>367,797.16</b>	<b>368,104.00</b>	<b>348,492.48</b>			<b>9,362.75</b>	<b>19,611.52</b>	
<b>Dept 751 - OPEN SPACE PRESERVATION</b>									
209-751-921-000	ELECTRICITY	1,872.93	2,000.00	823.32			0.00	1,176.68	41.17
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	85.07			0.00	414.93	17.01
209-751-935-000	PARK MAINTENANCE	16,249.42	20,000.00	455.00			125.00	19,545.00	2.28
209-751-950-000	TAX REFUNDS	0.00	100.00	0.00			0.00	100.00	0.00
<b>Net - Dept 751 - OPEN SPACE PRESERVATION</b>		<b>18,481.91</b>	<b>24,100.00</b>	<b>1,363.39</b>			<b>125.00</b>	<b>22,736.61</b>	
<b>Dept 905 - DEBT SERVICE</b>									
209-905-993-001	DEBIT SERVICE PAYING AGENT FEES	750.00	0.00	0.00			0.00	0.00	0.00
<b>Net - Dept 905 - DEBT SERVICE</b>		<b>750.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	
<b>Dept 990 - DEBT SERVICE</b>									
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
<b>Net - Dept 990 - DEBT SERVICE</b>		<b>325,725.10</b>	<b>321,605.00</b>	<b>295,657.00</b>			<b>0.00</b>	<b>25,948.00</b>	
<b>Fund 209 - CCT OPEN SPACE:</b>									
<b>TOTAL REVENUES</b>		<b>367,797.16</b>	<b>368,104.00</b>	<b>348,492.48</b>			<b>9,362.75</b>	<b>19,611.52</b>	<b>94.67</b>
<b>TOTAL EXPENDITURES</b>		<b>344,957.01</b>	<b>345,705.00</b>	<b>297,020.39</b>			<b>125.00</b>	<b>48,684.61</b>	<b>85.92</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>22,840.15</b>	<b>22,399.00</b>	<b>51,472.09</b>			<b>9,237.75</b>	<b>(29,073.09)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 209 - CCT OPEN SPACE</b>			
209-000-001-100	CASH -CHEM	417,416.49	
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	366,411.96	
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		312,118.17
209-000-401-410	PERSONAL PROPERTY TAX		22,681.74
209-000-401-412	DELINQUENT TAXES-LEVY		310.78
209-000-401-437	ABATEMENT TAXES-LEVY		2,478.81
209-000-401-441	COMMUNITY STABILZATION SHARE TAX		6,350.74
209-000-401-445	INTEREST & PENALTIES ON TAXES		58.27
209-000-665-000	INTEREST ON INVESTMENTS		2,193.59
209-000-665-408	INTEREST ON HOMEYER FUND		2,300.38
209-751-921-000	ELECTRICITY	823.32	
209-751-927-000	WATER-SEWER	85.07	
209-751-935-000	PARK MAINTENANCE	455.00	
209-990-991-201	BOND PRINICIPAL REFINANCE	35,000.00	
209-990-992-001	BOND PRINICIPAL 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	
<b>Total Fund 209 - CCT OPEN SPACE</b>		<b>1,080,848.84</b>	<b>1,080,848.84</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 209 - CCT OPEN SPACE</b>		
<b>*** Assets ***</b>		
209-000-001-100	CASH -CHEM	417,416.49
209-000-001-550	MI CLASS CASH - POOL ACCT/HOMEYER	366,411.96
	<b>Total Assets</b>	<b>783,828.45</b>
<b>*** Liabilities ***</b>		
	<b>Total Liabilities</b>	<b>0.00</b>
<b>*** Fund Balance ***</b>		
209-000-390-000	FUND BALANCE - UNASSIGNED	375,944.24
209-000-391-004	FUND BALANCE - COMMITTED HOMEYER 12/15	356,412.12
	<b>Total Fund Balance</b>	<b>732,356.36</b>
	<b>Beginning Fund Balance</b>	<b>732,356.36</b>
	<b>Net of Revenues VS Expenditures</b>	<b>51,472.09</b>
	<b>Ending Fund Balance</b>	<b>783,828.45</b>
	<b>Total Liabilities And Fund Balance</b>	<b>783,828.45</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018 PRE-AUDIT BALANCE	2019 AMENDED BUDGET	YTD BALANCE 04/30/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 04/30/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
<b>Fund 211 - DAM MAJOR REPAIR FUND</b>							
<b>Revenues</b>							
211-000-665-000	INTEREST REVENUE	12,713.24	7,000.00	2,131.34	741.00	4,868.66	30.45
211-000-675-000	CONTRIBUTIONS	5,000.00	5,000.00	5,000.00	5,000.00	0.00	100.00
211-000-699-101	TRANSFERS FROM GENERAL FUND	40,000.00	40,000.00	10,000.00	0.00	30,000.00	25.00
<b>TOTAL REVENUES</b>		<b>57,713.24</b>	<b>52,000.00</b>	<b>17,131.34</b>	<b>5,741.00</b>	<b>34,868.66</b>	
<b>Dept 901 - CAPITAL OUTLAY</b>							
211-901-990-000	INSPECTION REPORTS	0.00	5,000.00	0.00	0.00	5,000.00	0.00
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>0.00</b>	<b>5,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5,000.00</b>	
<b>Fund 211 - DAM MAJOR REPAIR FUND:</b>							
<b>TOTAL REVENUES</b>		<b>57,713.24</b>	<b>52,000.00</b>	<b>17,131.34</b>	<b>5,741.00</b>	<b>34,868.66</b>	<b>32.94</b>
<b>TOTAL EXPENDITURES</b>		<b>0.00</b>	<b>5,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5,000.00</b>	<b>0.00</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>57,713.24</b>	<b>47,000.00</b>	<b>17,131.34</b>	<b>5,741.00</b>	<b>29,868.66</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 211 - DAM MAJOR REPAIR FUND</b>			
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	362,925.90	
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		2,131.34
211-000-675-000	CONTRIBUTIONS		5,000.00
211-000-699-101	TRANSFERS FROM GENERAL FUND		10,000.00
<b>Total Fund 211 - DAM MAJOR REPAIR FUND</b>		<b>691,897.85</b>	<b>691,897.85</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 211 - DAM MAJOR REPAIR FUND</b>		
<b>*** Assets ***</b>		
211-000-001-510	MI CLASS CASH - POOL ACCOUNTS	362,925.90
211-000-003-014	CD - LAKE MICH CR UN 3/10/2020	328,971.95
	<b>Total Assets</b>	<b>691,897.85</b>
<b>*** Liabilities ***</b>		
	<b>Total Liabilities</b>	<b>0.00</b>
<b>*** Fund Balance ***</b>		
211-000-390-000	FUND BALANCE - UNASSIGNED	424,766.51
211-000-391-001	FUND BALANCE-COMMITTED/FUTURE REPAIRS12	250,000.00
	<b>Total Fund Balance</b>	<b>674,766.51</b>
	<b>Beginning Fund Balance</b>	<b>674,766.51</b>
	<b>Net of Revenues VS Expenditures</b>	<b>17,131.34</b>
	<b>Ending Fund Balance</b>	<b>691,897.85</b>
	<b>Total Liabilities And Fund Balance</b>	<b>691,897.85</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 216 - PATHWAYS FUND</b>							
<b>Revenues</b>							
216-000-401-402	TAX LEVY	531,024.49	489,539.00	478,426.07	(3,788.66)	11,112.93	97.73
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	476.75	476.75	1,523.25	23.84
216-000-401-437	ABATEMENT TAXES-LEVY	4,247.95	3,981.00	3,788.66	3,788.66	192.34	95.17
216-000-401-441	COMMUNITY STABILIZATION SHARE TAX	41,623.17	12,712.00	11,003.34	11,003.34	1,708.66	86.56
216-000-401-445	PENALTIES & INTEREST ON TAX	105.60	100.00	89.39	10.76	10.61	89.39
216-000-665-000	INTEREST REVENUE	18,581.96	12,000.00	1,826.75	789.37	10,173.25	15.22
216-000-671-000	INSURANCE REIMBURSEMENT	6,970.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL REVENUES</b>		<b>641,340.61</b>	<b>555,980.00</b>	<b>528,944.17</b>	<b>12,280.22</b>	<b>27,035.83</b>	
<b>Dept 758 - PATHWAYS</b>							
216-758-728-000	OPERATING SUPPLIES	5,284.95	8,000.00	0.00	0.00	8,000.00	0.00
216-758-821-100	ENGINEERING	28,159.25	15,000.00	38,596.67	11,924.97	(23,596.67)	257.31
216-758-931-000	MAINT & REPAIR	64,061.35	100,000.00	263.71	23.97	99,736.29	0.26
216-758-955-000	MISCELLANEOUS EXPENSE	0.00	55,000.00	0.00	0.00	55,000.00	0.00
<b>Net - Dept 758 - PATHWAYS</b>		<b>97,505.55</b>	<b>178,000.00</b>	<b>38,860.38</b>	<b>11,948.94</b>	<b>139,139.62</b>	
<b>Fund 216 - PATHWAYS FUND:</b>							
<b>TOTAL REVENUES</b>		<b>641,340.61</b>	<b>555,980.00</b>	<b>528,944.17</b>	<b>12,280.22</b>	<b>27,035.83</b>	<b>95.14</b>
<b>TOTAL EXPENDITURES</b>		<b>97,505.55</b>	<b>178,000.00</b>	<b>38,860.38</b>	<b>11,948.94</b>	<b>139,139.62</b>	<b>21.83</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>543,835.06</b>	<b>377,980.00</b>	<b>490,083.79</b>	<b>331.28</b>	<b>(112,103.79)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 216 - PATHWAYS FUND</b>			
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	301,539.99	
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	347,929.82	
216-000-202-000	ACCOUNTS PAYABLE		11,948.94
216-000-390-000	FUND BALANCE - UNASSIGNED		1,692,347.82
216-000-401-402	TAX LEVY		478,426.07
216-000-401-410	PERSONAL PROPERTY TAX		33,333.21
216-000-401-412	DELINQUENT TAX LEVY		476.75
216-000-401-437	ABATEMENT TAXES-LEVY		3,788.66
216-000-401-441	COMMUNITY STABILIZATION SHARE TAX		11,003.34
216-000-401-445	PENALTIES & INTEREST ON TAX		89.39
216-000-665-000	INTEREST REVENUE		1,826.75
216-758-821-100	ENGINEERING	38,596.67	
216-758-931-000	MAINT & REPAIR	263.71	
<b>Total Fund 216 - PATHWAYS FUND</b>		<b>2,233,240.93</b>	<b>2,233,240.93</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 216 - PATHWAYS FUND</b>		
<b>*** Assets ***</b>		
216-000-001-510	MI CLASS CASH - POOL ACCOUNTS	301,539.99
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	347,929.82
	<b>Total Assets</b>	<b><u>2,194,380.55</u></b>
<b>*** Liabilities ***</b>		
216-000-202-000	ACCOUNTS PAYABLE	11,948.94
	<b>Total Liabilities</b>	<b><u>11,948.94</u></b>
<b>*** Fund Balance ***</b>		
216-000-390-000	FUND BALANCE - UNASSIGNED	1,692,347.82
	<b>Total Fund Balance</b>	<b><u>1,692,347.82</u></b>
	<b>Beginning Fund Balance</b>	<b>1,692,347.82</b>
	<b>Net of Revenues VS Expenditures</b>	<b>490,083.79</b>
	<b>Ending Fund Balance</b>	<b><u>2,182,431.61</u></b>
	<b>Total Liabilities And Fund Balance</b>	<b><u>2,194,380.55</u></b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 246 - IRF</b>							
<b>Revenues</b>							
246-000-630-000	HOOKUP FEES	517,228.00	200,000.00	22,704.00	7,700.00	177,296.00	11.35
246-000-665-000	INTEREST ON INVESTMENTS	27,758.62	15,000.00	5,297.23	1,939.05	9,702.77	35.31
246-000-669-000	INT & P S/A-ORDINANCE	3,765.59	4,500.00	829.42	0.00	3,670.58	18.43
246-000-672-000	S/A REVENUE-ORDINANCE	18,119.69	15,000.00	0.00	0.00	15,000.00	0.00
246-000-672-008	S/A REVENUE-INACTIVE	0.00	12,000.00	675.00	0.00	11,325.00	5.63
246-000-672-011	S/A REVENUE - OAK TERRACE	6,984.74	4,000.00	6,402.66	0.00	(2,402.66)	160.07
246-000-672-012	S/A REVENUE - TRD	0.00	0.00	12,196.24	0.00	(12,196.24)	100.00
<b>TOTAL REVENUES</b>		<b>573,856.64</b>	<b>250,500.00</b>	<b>48,104.55</b>	<b>9,639.05</b>	<b>202,395.45</b>	
<b>Dept 295 - ADMINISTRATIVE</b>							
246-295-821-000	ADMIN ENGINEERING COSTS	16,316.27	30,000.00	2,338.46	0.00	27,661.54	7.79
246-295-826-000	ADMIN LEGAL FEES	4,230.00	2,500.00	0.00	0.00	2,500.00	0.00
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
<b>Net - Dept 295 - ADMINISTRATIVE</b>		<b>72,324.07</b>	<b>53,500.00</b>	<b>2,338.46</b>	<b>0.00</b>	<b>51,161.54</b>	
<b>Dept 901 - CAPITAL OUTLAY</b>							
246-901-974-000	CAPITAL OUTLAY - LANDIMP	251,772.62	0.00	0.00	0.00	0.00	0.00
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>251,772.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Fund 246 - IRF:</b>							
<b>TOTAL REVENUES</b>		<b>573,856.64</b>	<b>250,500.00</b>	<b>48,104.55</b>	<b>9,639.05</b>	<b>202,395.45</b>	<b>19.20</b>
<b>TOTAL EXPENDITURES</b>		<b>324,096.69</b>	<b>53,500.00</b>	<b>2,338.46</b>	<b>0.00</b>	<b>51,161.54</b>	<b>4.37</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>249,759.95</b>	<b>197,000.00</b>	<b>45,766.09</b>	<b>9,639.05</b>	<b>151,233.91</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 246 - IRF</b>			
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	831,697.93	
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	165,811.58	
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 TERRACE		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		22,704.00
246-000-665-000	INTEREST ON INVESTMENTS		5,297.23
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	2,338.46	
<b>Total Fund 246 - IRF</b>		<b>2,037,039.31</b>	<b>2,037,039.31</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 246 - IRF</b>		
<b>*** Assets ***</b>		
246-000-001-510	MI CLASS CASH - POOL ACCOUNTS	831,697.93
246-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	165,811.58
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
	<b>Total Assets</b>	<b>2,034,700.85</b>
<b>*** Liabilities ***</b>		
246-000-339-000	DEFERRED REVENUE-ORDINANCE	261,823.27
246-000-339-011	DEFERRED REVENUE- OAK TERRACE	14,551.56
246-000-339-012	DEFERRED REVENUE TRD SEWER	231,729.82
	<b>Total Liabilities</b>	<b>508,104.65</b>
<b>*** Fund Balance ***</b>		
246-000-390-000	FUND BALANCE - UNASSIGNED	1,480,830.11
	<b>Total Fund Balance</b>	<b>1,480,830.11</b>
	<b>Beginning Fund Balance</b>	<b>1,480,830.11</b>
	<b>Net of Revenues VS Expenditures</b>	<b>45,766.09</b>
	<b>Ending Fund Balance</b>	<b>1,526,596.20</b>
	<b>Total Liabilities And Fund Balance</b>	<b>2,034,700.85</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019	MONTH 04/30/2019	BALANCE	
				NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
<b>Fund 248 - DDA</b>							
<b>Revenues</b>							
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	5,354.78	2,061.92	14,645.22	26.77
248-000-675-300	DDA CONTRIB & DONATION- METRO CRUISE WU	3,450.00	5,000.00	0.00	0.00	5,000.00	0.00
<b>TOTAL REVENUES</b>		<b>826,206.96</b>	<b>950,837.00</b>	<b>474,714.19</b>	<b>2,061.92</b>	<b>476,122.81</b>	
<b>Dept 170 - DDA OPERATIONS/CONSTRUCTION</b>							
248-170-723-000	DDA - MEMBERSHIP AND DUES	915.00	915.00	50.00	0.00	865.00	5.46
248-170-724-000	DDA - EDUCATION	1,198.74	2,000.00	103.66	73.66	1,896.34	5.18
248-170-787-000	MISCELLANEOUS	3,533.49	5,000.00	752.00	135.00	4,248.00	15.04
248-170-821-000	ENGINEERING	21,964.50	15,000.00	24,268.50	9,297.50	(9,268.50)	161.79
248-170-826-265	LEGAL	650.00	2,000.00	30.00	30.00	1,970.00	1.50
248-170-860-000	DDA - MILEAGE	182.06	400.00	20.97	20.97	379.03	5.24
248-170-861-100	BUS SERVICE 28TH ST	87,511.11	127,894.00	28,707.56	14,353.78	99,186.44	22.45
248-170-921-000	ELECTRICITY	23,466.53	25,000.00	6,664.80	0.00	18,335.20	26.66
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	198.85	16.03	651.15	23.39
248-170-927-000	WATER-SEWER	5,523.31	6,500.00	9.64	0.00	6,490.36	0.15
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	24,465.03	77,800.00	306.03	0.00	77,493.97	0.39
248-170-931-300	DDA REPAIR & MAINT- METRO CRUISE WU	3,633.18	12,000.00	300.00	0.00	11,700.00	2.50
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	0.00	0.00	50,000.00	0.00
248-170-981-000	OFFICE EQUIPMENT	199.52	2,000.00	379.99	379.99	1,620.01	19.00
<b>Net - Dept 170 - DDA OPERATIONS/CONSTRUCTION</b>		<b>215,991.60</b>	<b>342,359.00</b>	<b>61,941.85</b>	<b>24,306.93</b>	<b>280,417.15</b>	
<b>Dept 965 - TRANSFERS OUT</b>							
248-965-999-101	TRANSFER TO GENERAL FUND	98,077.00	98,077.00	0.00	0.00	98,077.00	0.00
<b>Net - Dept 965 - TRANSFERS OUT</b>		<b>98,077.00</b>	<b>98,077.00</b>	<b>0.00</b>	<b>0.00</b>	<b>98,077.00</b>	
<b>Dept 990 - DEBT SERVICE</b>							
248-990-992-003	MUN BOND 2010 /PRINCIPAL	97,000.00	100,000.00	0.00	0.00	100,000.00	0.00
248-990-996-003	MUN BOND 2010 / INT & FEES	10,362.00	7,210.00	3,604.75	0.00	3,605.25	50.00
<b>Net - Dept 990 - DEBT SERVICE</b>		<b>107,362.00</b>	<b>107,210.00</b>	<b>3,604.75</b>	<b>0.00</b>	<b>103,605.25</b>	
<b>Fund 248 - DDA:</b>							
<b>TOTAL REVENUES</b>		<b>826,206.96</b>	<b>950,837.00</b>	<b>474,714.19</b>	<b>2,061.92</b>	<b>476,122.81</b>	<b>49.93</b>
<b>TOTAL EXPENDITURES</b>		<b>421,430.60</b>	<b>547,646.00</b>	<b>65,546.60</b>	<b>24,306.93</b>	<b>482,099.40</b>	<b>11.97</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>404,776.36</b>	<b>403,191.00</b>	<b>409,167.59</b>	<b>(22,245.01)</b>	<b>(5,976.59)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 248 - DDA</b>			
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	830,264.96	
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	247,982.20	
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	
248-000-202-000	ACCOUNTS PAYABLE		23,651.28
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		5,354.78
248-170-723-000	DDA - MEMBERSHIP AND DUES	50.00	
248-170-724-000	DDA - EDUCATION	103.66	
248-170-787-000	MISCELLANEOUS	752.00	
248-170-821-000	ENGINEERING	24,268.50	
248-170-826-265	LEGAL	30.00	
248-170-860-000	DDA - MILEAGE	20.97	
248-170-861-100	BUS SERVICE 28TH ST	28,707.56	
248-170-921-000	ELECTRICITY	6,664.80	
248-170-924-100	CELL PHONES	198.85	
248-170-927-000	WATER-SEWER	9.64	
248-170-931-000	MAINT & REPAIR/IMPROVEMENTS	306.03	
248-170-931-300	DDA REPAIR & MAINT- METRO CRUISE WU	300.00	
248-170-950-000	DDA PROPERTY TAX REFUNDS	149.85	
248-170-981-000	OFFICE EQUIPMENT	379.99	
248-990-996-003	MUN BOND 2010 / INT & FEES	3,604.75	
<b>Total Fund 248 - DDA</b>		<b>1,598,654.04</b>	<b>1,598,654.04</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 248 - DDA</b>		
<b>*** Assets ***</b>		
248-000-001-510	MI CLASS CASH - POOL ACCOUNTS	830,264.96
248-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	247,982.20
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
	<b>Total Assets</b>	<u><b>1,532,803.06</b></u>
<b>*** Liabilities ***</b>		
248-000-202-000	ACCOUNTS PAYABLE	23,651.28
	<b>Total Liabilities</b>	<u><b>23,651.28</b></u>
<b>*** Fund Balance ***</b>		
248-000-390-000	FUND BALANCE - UNASSIGNED	1,099,984.19
	<b>Total Fund Balance</b>	<u><b>1,099,984.19</b></u>
	<b>Beginning Fund Balance</b>	<b>1,099,984.19</b>
	<b>Net of Revenues VS Expenditures</b>	<b>409,167.59</b>
	<b>Ending Fund Balance</b>	<u><b>1,509,151.78</b></u>
	<b>Total Liabilities And Fund Balance</b>	<u><b>1,532,803.06</b></u>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
<b>Fund 249 - BUILDING FUND</b>							
<b>Revenues</b>							
249-000-607-483	CASCADE TWP BLDG COM PERMITS	218,896.00	150,000.00	10,559.00	4,960.00	139,441.00	7.04
249-000-607-484	CASCADE TWP BLDG RES PERMITS	99,503.00	90,000.00	21,335.00	6,366.00	68,665.00	23.71
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS	101,326.00	80,000.00	22,248.00	6,455.00	57,752.00	27.81
249-000-607-486	CASCADE TWP MECHANICAL PERMITS	100,870.30	100,000.00	22,444.00	7,626.00	77,556.00	22.44
249-000-607-487	CASCADE TWP PLUMBING PERMITS	48,848.00	55,000.00	13,579.00	3,092.00	41,421.00	24.69
249-000-607-488	CASCADE - PR	152,948.00	110,000.00	10,641.00	2,248.00	99,359.00	9.67
249-000-607-490	CASCADE TWP CONTRACTOR REG	6,830.00	8,000.00	3,825.00	1,185.00	4,175.00	47.81
249-000-607-500	LOWELL TWP BUILDING PERMITS	82,527.00	55,000.00	14,346.00	7,145.00	40,654.00	26.08
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS	16,971.00	24,000.00	14,589.00	1,051.00	9,411.00	60.79
249-000-607-502	LOWELL TWP MECHANICAL PERMITS	16,450.25	20,000.00	7,924.00	1,235.00	12,076.00	39.62
249-000-607-503	LOWELL TWP PLUMBING PERMITS	10,310.00	14,000.00	7,646.00	1,193.00	6,354.00	54.61
249-000-607-504	LOWELL TWP - PR	0.00	0.00	1,255.00	1,255.00	(1,255.00)	100.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS	10,679.00	12,000.00	1,936.00	785.00	10,064.00	16.13
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS	12,530.00	14,000.00	3,640.00	1,655.00	10,360.00	26.00
249-000-607-516	VERGENNES TWP PLUMBING PERMITS	8,626.00	14,000.00	1,501.00	437.00	12,499.00	10.72
249-000-607-520	ADA TWP BUILDING PERMITS	170,879.00	130,000.00	28,190.00	7,908.00	101,810.00	21.68
249-000-607-521	ADA TWP PLUMBING PERMITS	50,737.00	50,000.00	7,224.00	3,000.00	42,776.00	14.45
249-000-607-523	ADA TWP ELECTRICAL PERMITS	71,435.00	60,000.00	13,166.00	3,123.00	46,834.00	21.94
249-000-607-524	ADA TWP MECHANICAL PERMITS	88,033.75	70,000.00	17,054.25	5,060.00	52,945.75	24.36
249-000-607-525	ADA TWP - PR	0.00	0.00	925.00	355.00	(925.00)	100.00
249-000-607-531	GR TWP BUILDING PERMITS	196,712.00	120,000.00	30,805.00	4,168.00	89,195.00	25.67
249-000-607-532	GR TWP ELECTRICAL PERMITS	50,468.00	55,000.00	15,372.00	4,816.00	39,628.00	27.95
249-000-607-533	GR TWP MECHANICAL PERMITS	73,983.80	65,000.00	18,691.25	2,510.00	46,308.75	28.76
249-000-607-534	GR TWP PLUMBING PERMITS	37,393.00	40,000.00	11,689.00	1,890.00	28,311.00	29.22
249-000-607-535	GRT - PR	0.00	0.00	3,928.00	184.00	(3,928.00)	100.00
249-000-607-536	EAST GR BUILDING PERMITS	143,075.00	55,000.00	14,263.00	4,703.00	40,737.00	25.93
249-000-607-537	EAST GR ELECTRICAL PERMITS	32,253.00	35,000.00	11,045.00	2,802.00	23,955.00	31.56
249-000-607-538	EAST GR MECHANICAL PERMITS	43,923.25	40,000.00	14,291.50	3,445.00	25,708.50	35.73
249-000-607-539	EAST GR PLUMBING PERMITS	24,503.00	25,000.00	7,619.00	2,518.00	17,381.00	30.48
249-000-607-540	EGR - PR	0.00	0.00	750.00	750.00	(750.00)	100.00
249-000-607-541	EAST GR-RENTAL INSP	3,050.00	4,000.00	0.00	0.00	4,000.00	0.00
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS	92,845.00	90,000.00	22,569.00	7,670.00	67,431.00	25.08
249-000-607-552	PLAINFIELD MECHANICAL PERMITS	116,097.25	110,000.00	26,410.50	7,540.50	83,589.50	24.01
249-000-607-553	PLAINFIELD - PLUMBING PERMITS	55,249.00	60,000.00	14,187.00	6,318.00	45,813.00	23.65
249-000-607-555	PLAINFIELD INSPECTION FEES -NP	8,291.00	20,000.00	1,000.00	0.00	19,000.00	5.00
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	10,458.59	11,773.76	49,541.41	17.43
249-000-671-671	MISCELLANEOUS INCOME	2,025.00	1,000.00	850.00	150.00	150.00	85.00
249-000-673-000	SALE OF ASSETS	75.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL REVENUES</b>		<b>2,192,686.98</b>	<b>1,836,000.00</b>	<b>427,956.09</b>	<b>127,372.26</b>	<b>1,408,043.91</b>	
<b>Dept 371 - BUILDING DEPARTMENT</b>							
249-371-702-000	WAGES- FULL TIME	0.00	0.00	231,535.84	82,241.17	(231,535.84)	100.00
249-371-703-000	DIRECTOR OF INSPECTIONS	90,517.45	91,958.00	0.00	0.00	91,958.00	0.00
249-371-703-200	ASSIGNABLE SALARY	0.00	16,198.00	0.00	0.00	16,198.00	0.00
249-371-704-000	WAGES- PART TIME	0.00	0.00	3,115.00	1,575.00	(3,115.00)	100.00
249-371-706-000	BLDG WAGES/SALARY- KD	66,009.03	67,069.00	0.00	0.00	67,069.00	0.00
249-371-706-302	BLDG INSPECTOR - JB	65,325.56	66,374.00	0.00	0.00	66,374.00	0.00
249-371-706-303	BLDG INSPECTOR - WB	69,100.85	70,236.00	0.00	0.00	70,236.00	0.00
249-371-706-304	BLDG INSPECTOR - DH	69,467.87	70,622.00	0.00	0.00	70,622.00	0.00
249-371-706-305	BLDG INSPECTOR - JV/VM	65,237.21	66,375.00	0.00	0.00	66,375.00	0.00
249-371-706-306	BLDG INSPECTOR / PT - SB	65,145.79	66,192.00	0.00	0.00	66,192.00	0.00
249-371-706-309	BLDG INSPECTOR - DHU	60,666.71	61,627.00	0.00	0.00	61,627.00	0.00
249-371-706-400	BUILDING CLERICAL I	40,235.37	40,881.00	0.00	0.00	40,881.00	0.00
249-371-706-401	BUILDING CLERICAL II - JC	10,473.50	18,214.00	0.00	0.00	18,214.00	0.00
249-371-706-402	BUILDING CLERICAL II - JK	39,725.28	40,324.00	0.00	0.00	40,324.00	0.00
249-371-706-500	BLDG ADDITIONAL HELP	30,716.00	30,000.00	0.00	0.00	30,000.00	0.00
249-371-707-000	WAGES- CASUAL	12,923.10	59,208.00	3,120.00	2,840.00	56,088.00	5.27
249-371-723-000	MEMBERSHIPS AND DUES	4,172.50	4,000.00	1,295.00	80.00	2,705.00	32.38
249-371-724-000	EDUCATION	5,728.76	6,000.00	1,984.00	670.00	4,016.00	33.07
249-371-727-000	SUPPLIES	9,870.17	12,000.00	1,816.94	265.38	10,183.06	15.14
249-371-757-000	BOOKS	455.50	4,000.00	372.70	0.00	3,627.30	9.32
249-371-768-000	DEPARTMENT UNIFORMS	3,857.15	4,200.00	2,063.66	300.00	2,136.34	49.13
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	4,462.28	4,462.28	9,537.72	31.87
249-371-807-000	AUDIT FEES & SERVICES	775.00	935.00	790.00	640.00	145.00	84.49
249-371-810-000	LIABILITY INSURANCE	7,613.00	7,994.00	8,499.00	0.00	(505.00)	106.32
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	16,755.91	4,805.88	41,244.09	28.89
249-371-862-500	DEPT HEAD, SUPV EXPENSES	310.15	500.00	18.83	0.00	481.17	3.77
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	343.84	87.71	1,656.16	17.19
249-371-924-100	CELL PHONES	7,814.73	8,250.00	1,898.89	185.85	6,351.11	23.02
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	6,662.57	9,000.00	58.00	0.00	8,942.00	0.64
249-371-939-000	SERVICE CONTRACTS	16,524.82	14,500.00	4,695.43	104.51	9,804.57	32.38

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018	2019	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		PRE-AUDIT BALANCE	AMENDED BUDGET	04/30/2019 NORM (ABNORM)	MONTH 04/30/2019 INCR (DECR)	BALANCE NORM (ABNORM)	
249-371-940-000	BUILDING RENTAL-LEASE	69,797.24	75,000.00	28,605.85	5,977.66	46,394.15	38.14
249-371-941-000	POSTAGE & MACHINE LEASE	750.00	1,000.00	150.00	0.00	850.00	15.00
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
249-371-981-000	OFFICE EQUIPMENT	5,803.94	8,000.00	6,057.91	379.99	1,942.09	75.72
<b>Net - Dept 371 - BUILDING DEPARTMENT</b>		<b>922,758.96</b>	<b>1,022,907.00</b>	<b>325,198.37</b>	<b>104,615.43</b>	<b>697,708.63</b>	
<b>Dept 850 - BENEFITS/INSURANCE</b>							
249-850-715-000	FICA-EMPLOYER	49,445.20	55,011.00	18,089.62	6,136.55	36,921.38	32.88
249-850-716-000	DEFINED CONTRIBUTION PLAN	99,166.77	0.00	36,824.61	659.73	(36,824.61)	100.00
249-850-717-000	WORKERS COMP INSURANCE	16,115.35	15,386.00	943.80	0.00	14,442.20	6.13
249-850-718-000	VISION INSURANCE BENEFITS	1,165.44	1,275.00	473.36	0.00	801.64	37.13
249-850-718-200	OTHER BENEFITS	0.00	0.00	9,000.00	9,000.00	(9,000.00)	100.00
249-850-719-000	HEALTH INSURANCE BENEFITS	90,623.70	100,472.00	44,120.88	9,595.78	56,351.12	43.91
249-850-719-100	OPT-OUT INSURANCE	3,000.00	3,000.00	1,000.00	0.00	2,000.00	33.33
249-850-719-200	MI CLAIMS TAX- HEALTH	0.00	200.00	0.00	0.00	200.00	0.00
249-850-720-000	LIFE & DISABILITY INSURANCE	5,423.25	6,143.00	2,362.52	590.63	3,780.48	38.46
249-850-721-000	DENTAL INSURANCE BENEFITS	7,209.80	8,125.00	1,375.60	813.96	6,749.40	16.93
249-850-721-200	MI CLAIMS TAX - DENTAL	50.92	200.00	0.00	0.00	200.00	0.00
249-850-722-000	PENSION PLAN BENEFITS	105,507.55	111,457.00	30,010.80	6,221.22	81,446.20	26.93
249-850-723-000	OTHER BENEFITS	0.00	11,000.00	0.00	(9,000.00)	11,000.00	0.00
249-850-960-000	BLDG UNEMPLOYMENT COSTS	2,327.00	0.00	0.00	0.00	0.00	0.00
<b>Net - Dept 850 - BENEFITS/INSURANCE</b>		<b>380,034.98</b>	<b>312,269.00</b>	<b>144,201.19</b>	<b>24,017.87</b>	<b>168,067.81</b>	
<b>Dept 901 - CAPITAL OUTLAY</b>							
249-901-975-000	CAPITAL OUTLAY - BLDGIMP	6,269.84	0.00	0.00	0.00	0.00	0.00
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>6,269.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Dept 964 - PAYMENTS TO OTHER TOWNSHIPS</b>							
249-964-964-100	PERMITS DUE TO LOWELL TWP	25,323.25	22,600.00	6,734.20	2,373.60	15,865.80	29.80
249-964-964-200	PERMITS DUE TO VERGENNES TWP	6,521.80	8,000.00	866.00	306.20	7,134.00	10.83
249-964-964-300	PERMITS DUE TO GR TWP	71,679.36	56,000.00	13,405.45	4,024.15	42,594.55	23.94
249-964-964-400	PERMITS DUE TO ADA TWP	76,089.55	62,000.00	9,439.25	2,916.65	52,560.75	15.22
249-964-964-500	PERMITS DUE TO EAST GR	48,721.85	31,000.00	6,750.10	2,531.20	24,249.90	21.77
249-964-964-600	PERMITS DUE PLAINFIELD	52,823.25	52,000.00	8,308.60	2,811.40	43,691.40	15.98
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	12,441.20	3,815.00	82,558.80	13.10
<b>Net - Dept 964 - PAYMENTS TO OTHER TOWNSHIPS</b>		<b>401,005.72</b>	<b>326,600.00</b>	<b>57,944.80</b>	<b>18,778.20</b>	<b>268,655.20</b>	
<b>Fund 249 - BUILDING FUND:</b>							
<b>TOTAL REVENUES</b>		<b>2,192,686.98</b>	<b>1,836,000.00</b>	<b>427,956.09</b>	<b>127,372.26</b>	<b>1,408,043.91</b>	<b>23.31</b>
<b>TOTAL EXPENDITURES</b>		<b>1,710,069.50</b>	<b>1,661,776.00</b>	<b>527,344.36</b>	<b>147,411.50</b>	<b>1,134,431.64</b>	<b>31.73</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>482,617.48</b>	<b>174,224.00</b>	<b>(99,388.27)</b>	<b>(20,039.24)</b>	<b>273,612.27</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 249 - BUILDING FUND</b>			
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	55,136.00	
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	301,539.99	
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	130,813.34	
249-000-003-001	CD - INDEPENDENT BANK M 6/19/19	310,211.97	
249-000-003-007	CD - 53RD BANK M 12/4/19	257,604.00	
249-000-003-018	CD - CHEMICAL BANK M 4/30/19	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	
249-000-202-000	ACCOUNTS PAYABLE	173.96	
249-000-214-000	DUE TO OTHER FUNDS		32,457.30
249-000-231-220	DEPENDENT LIFE W/H	11.70	
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
249-000-607-483	CASCADE TWP BLDG COM PERMITS		10,559.00
249-000-607-484	CASCADE TWP BLDG RES PERMITS		21,335.00
249-000-607-485	CASCADE TWP ELECTRICAL PERMITS		22,248.00
249-000-607-486	CASCADE TWP MECHANICAL PERMITS		22,444.00
249-000-607-487	CASCADE TWP PLUMBING PERMITS		13,579.00
249-000-607-488	CASCADE - PR		10,641.00
249-000-607-490	CASCADE TWP CONTRACTOR REG		3,825.00
249-000-607-500	LOWELL TWP BUILDING PERMITS		14,346.00
249-000-607-501	LOWELL TWP ELECTRICAL PERMITS		14,589.00
249-000-607-502	LOWELL TWP MECHANICAL PERMITS		7,924.00
249-000-607-503	LOWELL TWP PLUMBING PERMITS		7,646.00
249-000-607-504	LOWELL TWP - PR		1,255.00
249-000-607-511	VERGENNES TWP ELECTRICAL PERMITS		1,936.00
249-000-607-512	VERGENNES TWP MECHANICAL PERMITS		3,640.00
249-000-607-516	VERGENNES TWP PLUMBING PERMITS		1,501.00
249-000-607-520	ADA TWP BUILDING PERMITS		28,190.00
249-000-607-521	ADA TWP PLUMBING PERMITS		7,224.00
249-000-607-523	ADA TWP ELECTRICAL PERMITS		13,166.00
249-000-607-524	ADA TWP MECHANICAL PERMITS		17,054.25
249-000-607-525	ADA TWP - PR		925.00
249-000-607-531	GR TWP BUILDING PERMITS		30,805.00
249-000-607-532	GR TWP ELECTRICAL PERMITS		15,372.00
249-000-607-533	GR TWP MECHANICAL PERMITS		18,691.25
249-000-607-534	GR TWP PLUMBING PERMITS		11,689.00
249-000-607-535	GRT - PR		3,928.00
249-000-607-536	EAST GR BUILDING PERMITS		14,263.00
249-000-607-537	EAST GR ELECTRICAL PERMITS		11,045.00

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
249-000-607-538	EAST GR MECHANICAL PERMITS		14,291.50
249-000-607-539	EAST GR PLUMBING PERMITS		7,619.00
249-000-607-540	EGR - PR		750.00
249-000-607-551	PLAINFIELD - ELECTRICAL PERMITS		22,569.00
249-000-607-552	PLAINFIELD MECHANICAL PERMITS		26,410.50
249-000-607-553	PLAINFIELD - PLUMBING PERMITS		14,187.00
249-000-607-555	PLAINFIELD INSPECTION FEES -NP		1,000.00
249-000-665-000	INTEREST REVENUE		10,458.59
249-000-671-671	MISCELLANEOUS INCOME		850.00
249-371-702-000	WAGES- FULL TIME	231,535.84	
249-371-704-000	WAGES- PART TIME	3,115.00	
249-371-707-000	WAGES- CASUAL	3,120.00	
249-371-723-000	MEMBERSHIPS AND DUES	1,295.00	
249-371-724-000	EDUCATION	1,984.00	
249-371-727-000	SUPPLIES	1,816.94	
249-371-757-000	BOOKS	372.70	
249-371-768-000	DEPARTMENT UNIFORMS	2,063.66	
249-371-787-200	CREDIT CARD FEES	4,462.28	
249-371-807-000	AUDIT FEES & SERVICES	790.00	
249-371-810-000	LIABILITY INSURANCE	8,499.00	
249-371-860-000	MILEAGE	16,755.91	
249-371-862-500	DEPT HEAD, SUPV EXPENSES	18.83	
249-371-924-000	PHONES	343.84	
249-371-924-100	CELL PHONES	1,898.89	
249-371-932-000	OFFICE EQUIP & COMPUTER REPAIR	58.00	
249-371-939-000	SERVICE CONTRACTS	4,695.43	
249-371-940-000	BUILDING RENTAL-LEASE	28,605.85	
249-371-941-000	POSTAGE & MACHINE LEASE	150.00	
249-371-967-000	BLDG - SPECIAL PROJECTS	7,559.29	
249-371-981-000	OFFICE EQUIPMENT	6,057.91	
249-850-715-000	FICA-EMPLOYER	18,089.62	
249-850-716-000	DEFINED CONTRIBUTION PLAN	36,824.61	
249-850-717-000	WORKERS COMP INSURANCE	943.80	
249-850-718-000	VISION INSURANCE BENEFITS	473.36	
249-850-718-200	OTHER BENEFITS	9,000.00	
249-850-719-000	HEALTH INSURANCE BENEFITS	44,120.88	
249-850-719-100	OPT-OUT INSURANCE	1,000.00	
249-850-720-000	LIFE & DISABILITY INSURANCE	2,362.52	
249-850-721-000	DENTAL INSURANCE BENEFITS	1,375.60	
249-850-722-000	PENSION PLAN BENEFITS	30,010.80	
249-964-964-100	PERMITS DUE TO LOWELL TWP	6,734.20	
249-964-964-200	PERMITS DUE TO VERGENNES TWP	866.00	
249-964-964-300	PERMITS DUE TO GR TWP	13,405.45	
249-964-964-400	PERMITS DUE TO ADA TWP	9,439.25	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

<b>GL NUMBER</b>	<b>DESCRIPTION</b>	<b>BALANCE DEBIT</b>	<b>BALANCE CREDIT</b>
249-964-964-500	PERMITS DUE TO EAST GR	6,750.10	
249-964-964-600	PERMITS DUE PLAINFIELD	8,308.60	
249-964-964-800	PERMITS DUE CASCADE TWP	12,441.20	
<b>Total Fund 249 - BUILDING FUND</b>		<b>3,841,317.44</b>	<b>3,841,317.44</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 249 - BUILDING FUND</b>		
<b>*** Assets ***</b>		
249-000-001-111	-CASH-RECEIVING - FLAGSTAR	55,136.00
249-000-001-510	MI CLASS CASH - POOL ACCOUNTS	301,539.99
249-000-002-001	CASH/SAVINGS- FLAGSTAR BANK	130,813.34
249-000-003-001	CD - INDEPENDENT BANK M 6/19/19	310,211.97
249-000-003-007	CD - 53RD BANK M 12/4/19	257,604.00
249-000-003-018	CD - CHEMICAL BANK M 4/30/19	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
	<b>Total Assets</b>	<b>3,313,787.42</b>
<b>*** Liabilities ***</b>		
249-000-202-000	ACCOUNTS PAYABLE	(173.96)
249-000-214-000	DUE TO OTHER FUNDS	32,457.30
249-000-231-220	DEPENDENT LIFE W/H	(11.70)
	<b>Total Liabilities</b>	<b>32,271.64</b>
<b>*** Fund Balance ***</b>		
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
	<b>Total Fund Balance</b>	<b>3,380,904.05</b>
	<b>Beginning Fund Balance</b>	<b>3,380,904.05</b>
	<b>Net of Revenues VS Expenditures</b>	<b>(99,388.27)</b>
	<b>Ending Fund Balance</b>	<b>3,281,515.78</b>
	<b>Total Liabilities And Fund Balance</b>	<b>3,313,787.42</b>

**REVENUE AND EXPENDITURE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

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

GL NUMBER	DESCRIPTION	2018 PRE-AUDIT BALANCE	2019 AMENDED BUDGET	YTD BALANCE 04/30/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 04/30/2019 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDGT USED
<b>Fund 270 - LIBRARY FUND</b>							
<b>Revenues</b>							
270-000-401-402	TAX LEVY	200,023.02	208,947.00	208,636.86	(1,616.03)	5,310.14	97.46
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	535.35	1,000.00	202.57	202.57	797.43	20.26
270-000-401-437	ABATEMENT TAXES-LEVY	1,598.88	1,698.00	1,616.03	1,616.03	81.97	95.17
270-000-401-441	COMMUNITY STABILIZATION SHARE TAX	15,667.95	5,412.00	4,141.79	4,141.79	1,270.21	76.53
270-000-401-445	PENALTIES & INTEREST ON TAX	39.60	50.00	37.98	4.48	12.02	75.96
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT	32,869.52	32,869.00	8,217.38	0.00	24,651.62	25.00
270-000-665-000	INTEREST REVENUE	41,216.18	10,000.00	3,348.10	1,164.26	6,651.90	33.48
<b>TOTAL REVENUES</b>		<b>306,015.80</b>	<b>275,180.00</b>	<b>235,987.92</b>	<b>5,513.10</b>	<b>39,192.08</b>	
<b>Dept 790 - LIBRARY</b>							
270-790-727-000	LIBRARY SUPPLIES	5,291.01	6,600.00	553.55	273.13	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	0.00	0.00	1,000.00	0.00
270-790-802-200	LIBRARY JANITORIAL CONTRACT	35,707.20	41,000.00	2,975.60	0.00	38,024.40	7.26
270-790-810-000	LIABILITY INSURANCE	12,688.00	13,088.00	14,165.00	0.00	(1,077.00)	108.23
270-790-921-000	LIBRARY ELECTRICITY	58,738.51	55,000.00	13,000.77	0.00	41,999.23	23.64
270-790-923-000	LIBRARY HEATING	12,997.34	12,000.00	5,993.75	1,646.02	6,006.25	49.95
270-790-924-000	LIBRARY PHONES	755.12	840.00	272.92	83.44	567.08	32.49
270-790-927-000	LIBRARY WATER-SEWER	6,316.52	8,000.00	1,093.84	0.00	6,906.16	13.67
270-790-931-000	LIBRARY MAINTENANCE	109,557.95	65,000.00	22,236.47	1,705.24	42,763.53	34.21
270-790-931-100	LIBRARY MAINT/ADDITIONAL	32,672.00	16,336.00	0.00	0.00	16,336.00	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
<b>Net - Dept 790 - LIBRARY</b>		<b>275,605.65</b>	<b>220,814.00</b>	<b>60,291.90</b>	<b>3,707.83</b>	<b>160,522.10</b>	
<b>Dept 901 - CAPITAL OUTLAY</b>							
270-901-970-000	CAPITAL OUTLAY - FFE	15,369.00	0.00	0.00	0.00	0.00	0.00
<b>Net - Dept 901 - CAPITAL OUTLAY</b>		<b>15,369.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Fund 270 - LIBRARY FUND:</b>							
<b>TOTAL REVENUES</b>		<b>306,015.80</b>	<b>275,180.00</b>	<b>235,987.92</b>	<b>5,513.10</b>	<b>39,192.08</b>	<b>85.76</b>
<b>TOTAL EXPENDITURES</b>		<b>290,974.65</b>	<b>220,814.00</b>	<b>60,291.90</b>	<b>3,707.83</b>	<b>160,522.10</b>	<b>27.30</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>15,041.15</b>	<b>54,366.00</b>	<b>175,696.02</b>	<b>1,805.27</b>	<b>(121,330.02)</b>	
<b>TOTAL REVENUES - ALL FUNDS</b>							
		<b>13,050,017.63</b>	<b>12,505,416.00</b>	<b>7,180,114.02</b>	<b>701,072.77</b>	<b>5,325,301.98</b>	<b>57.42</b>
<b>TOTAL EXPENDITURES - ALL FUNDS</b>							
		<b>12,065,856.65</b>	<b>11,195,638.00</b>	<b>3,302,999.33</b>	<b>872,928.52</b>	<b>7,892,638.67</b>	<b>29.50</b>
<b>NET OF REVENUES &amp; EXPENDITURES</b>		<b>984,160.98</b>	<b>1,309,778.00</b>	<b>3,877,114.69</b>	<b>(171,855.75)</b>	<b>(2,567,336.69)</b>	

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 270 - LIBRARY FUND</b>			
270-000-001-510	CASH - MI CLASS	455,603.50	
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 6/1/2018	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	529,549.04	
270-000-202-000	ACCOUNTS PAYABLE		250.16
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		203,636.86
270-000-401-410	PERSONAL PROPERTY TAX		14,787.21
270-000-401-412	DELINQUENT TAX LEVY		202.57
270-000-401-437	ABATEMENT TAXES-LEVY		1,616.03
270-000-401-441	COMMUNITY STABILIZATION SHARE TAX		4,141.79
270-000-401-445	PENALTIES & INTEREST ON TAX		37.98
270-000-587-587	KENT DISTRICT LIBRARY PAYMENT		8,217.38
270-000-665-000	INTEREST REVENUE		3,348.10
270-790-727-000	LIBRARY SUPPLIES	553.55	
270-790-802-200	LIBRARY JANITORIAL CONTRACT	2,975.60	
270-790-810-000	LIABILITY INSURNACE	14,165.00	
270-790-921-000	LIBRARY ELECTRICITY	13,000.77	
270-790-923-000	LIBRARY HEATING	5,993.75	
270-790-924-000	LIBRARY PHONES	272.92	
270-790-927-000	LIBRARY WATER-SEWER	1,093.84	
270-790-931-000	LIBRARY MAINTENANCE	22,236.47	
<b>Total Fund 270 - LIBRARY FUND</b>		<b>2,280,585.87</b>	<b>2,280,585.87</b>

**BALANCE SHEET FOR CASCADE CHARTER TOWNSHIP**  
**Period Ending 04/30/2019**

GL Number	Description	Balance
<b>Fund 270 - LIBRARY FUND</b>		
<b>*** Assets ***</b>		
270-000-001-510	CASH - MI CLASS	455,603.50
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 6/1/2018	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	529,549.04
	<b>Total Assets</b>	<b><u>2,220,293.97</u></b>
<b>*** Liabilities ***</b>		
270-000-202-000	ACCOUNTS PAYABLE	250.16
	<b>Total Liabilities</b>	<b><u>250.16</u></b>
<b>*** Fund Balance ***</b>		
270-000-390-000	FUND BALANCE - UNASSIGNED	1,644,347.79
270-000-391-001	FUND BALANCE - COMMITTED/MAJOR REPAIRS11	400,000.00
	<b>Total Fund Balance</b>	<b><u>2,044,347.79</u></b>
	<b>Beginning Fund Balance</b>	<b>2,044,347.79</b>
	<b>Net of Revenues VS Expenditures</b>	<b>175,696.02</b>
	<b>Ending Fund Balance</b>	<b><u>2,220,043.81</u></b>
	<b>Total Liabilities And Fund Balance</b>	<b><u>2,220,293.97</u></b>

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 701 - TRUST AND AGENCY</b>			
701-000-003-002	CD-HENRY KRAMER BOND M 10/16/2015	15,288.50	
701-000-003-004	CD-JACK SMITH/INVEST M 10/16/2015	22,985.98	
701-000-003-018	CD - CHEMICAL BANK JAMES TIMMONS	12,400.00	
701-000-015-004	MONEY MARKET - CHEMICAL BANK	89,647.53	
701-000-214-000	DUE TO GENERAL FUND		4.63
701-000-230-004	T&A INTERST DUE GF		705.36
701-000-250-080	CASCADE POINTE-PATHWAY BOND		9,554.62
701-000-250-173	PATHWAYS-WOLVERINE BLDG GROUP- 6010 28TH		1,800.00
701-000-250-174	PAYHWAYS - WOOD BUILDERS HOME 8/2017		500.00
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	
701-000-252-751	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

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
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
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
701-000-253-410	APPLIED IMAGING 18:3503		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		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
701-000-255-000	CUSTOMER DEPOSIT AND INTEREST PAYABLE		500.00
701-000-255-741	JAMES TIMMONS TRUST		12,400.00
701-000-255-742	JACKS SMITH (IRF) M 10/16/2015		22,977.61
701-000-255-743	CUSTOMER DEPOSITS- SOLICITATION BONDS		875.00
701-000-283-004	REDWOOD LIVING PERFORMANCE BOND 13-3139		10,000.00
701-000-283-168	RON DYKSTRA 2769 TRD		500.00
701-000-283-740	HENRY KRAMER PERFORMANCE BOND		15,282.82
<b>Total Fund 701 - TRUST AND AGENCY</b>		<b>152,711.81</b>	<b>152,711.81</b>

**TRIAL BALANCE REPORT FOR CASCADE CHARTER TOWNSHIP  
PERIOD ENDING 04/30/2019**

GL NUMBER	DESCRIPTION	BALANCE DEBIT	BALANCE CREDIT
<b>Fund 703 - CURRENT TAX COLLECTION FUND</b>			
703-000-001-001	CASH (CASH DRAWER)	150.00	
703-000-001-103	CASH- CHEM /TAX WIRE	72.38	
703-000-001-110	FLAGSTAR BANK - CASH	2,161.78	
703-000-001-111	CASH RECEIVING & WIRE - FLAGSTAR	28.68	
703-000-001-112	CASH DELINQUENT - FLAGSTAR	19,657.12	
703-000-222-175	KENT COUNTY - DOG LICENSE		1,768.60
703-000-230-001	TAX INT- DUE TO OTHER UNIT GOVT		114.45
703-000-230-002	DELQ TAX - DUE TO OTHER UNIT OF GOVT		19,619.18
703-000-230-003	WIRE ACCT-DUE TO OTHER UNIT GOVT		1.00
703-000-230-012	DELQ TAX INT- DUE OTHER UNIT GOVT		21.42
703-000-230-013	WIRE ACCT INT - DUE TO OTHER GOVT		3.64
703-000-230-032	DELQ TAX OVER AND SHORT	1.70	
703-000-230-043	WIRE- ONLINE SERVICE FEES		71.61
703-000-230-044	TAX NSF FEES		99.89
703-000-274-000	UNDISTRIBUTED TAX COLLECTION		371.87
<b>Total Fund 703 - CURRENT TAX COLLECTION FUND</b>		<b>22,071.66</b>	<b>22,071.66</b>

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**TOWNSHIP BOARD MEMORANDUM**

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**To:** Cascade Charter Township Board  
**From:** Steve Peterson, Community Development Director  
**Subject:** Consider approval for sewer connection at Burton Park maintenance building.  
**Meeting Date:** May 8, 2019

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In September of last year, you approved a budget for up to \$200,000 for the improvements at the maintenance building to accommodate a new drive and associated drainage improvements. We selected Flier Brothers for that job at a cost of \$150,887. We did have a couple of minor change orders to deal with unstable clay soils that increased the amount of the contract by \$8,817.

While they were able to complete the majority of the work last fall some of it was left until this spring. During the project we did find that we had a problem with our septic system and have asked Flier Brothers for a quote to add the work to their job rather than have another contractor involved. The contractor and our engineer explored two options:

1. New septic system for about \$20,000
2. Connect to the public sewer for about \$55,000.

The report from the Township engineer is attached who recommended that we connect to the public sewer and after discussing with the Infrastructure committee they also recommend that we connect to the public sewer. If approved the contractor will start on this immediately.

**Attached:** Township Engineer report and a site plan showing a public sewer connection.



# MEMO

**TO:** Mr. Steve Peterson – Cascade Charter Township

**FROM:** Michael L. Berrevoets, PE

**DATE:** April 26, 2019

**PROJECT NO.:** 181268

**RE:** Burton Park B&G Building Sewer

---

The purpose of this memo is to explain some history and function of the current sewage system for the Burton Park Building & Grounds (B&G) building, as well as potential solutions to solve the sewage handling and treatment for the long term.

## ***History***

Recreating a complete history of the sewage system for this building is difficult since it has not been owned and maintained by the Township since it was initially constructed. What follows is what we believe to be true based on the information we have available. At some point prior to the Township owning the building, a septic system was installed that consisted of a septic tank with a pump that pumped the effluent to a drain field located to the north of the building. This is a little bit of an unusual arrangement and we believe the drain field is located so far away because that is where they were able to find sandy soil that could work for the drain field. Soil around the building is predominantly clay material.

After the Township bought the building a public restroom was installed. While not used extensively, it will probably see more use in the future as the park experiences more use. Additionally, with B&G crews locating to this building and another bathroom being added, there is additional sewage that will be directed to the system.

During construction the septic tank and pump were discovered and found to be in conflict with the proposed improvements. Given the age of the tank and the condition of the pump it was determined, at a minimum, the tank and pump should be replaced and modernized given the new anticipated flow. After more discovery, we started to become concerned about the condition of the drain field and whether further investment would be required later to improve the drain field. At that point, we started to investigate options to connect to the City sewer system and explore configurations for a City acceptable gravity lateral to the building.

Currently, we have an agreement with the City on the gravity lateral layout option and the Contractor has provided estimated costs to complete the gravity lateral, as well as a cost comparison to replace the septic tank and pump and reconnect to the existing drain field.

## ***Gravity Sewer Lateral Option***

Attached is a sketch showing the City approved gravity sewer lateral option. As shown, the diagonal section cutting from the corner of the proposed parking lot to the far west side would be installed by directional drilling in order to minimize the number of trees being removed. Some trees would still need to be removed on the far west end at the connection to the existing sewer. However, the number of trees removed would be minimized to the greatest extent possible. There are many benefits to the gravity sewer lateral which include the following:



1. The amount of future maintenance is greatly reduced since it is gravity. Some cleaning or flushing may be required but should be rare. The section under the trees would be a continuous HDPE pipe with no joints so the likelihood of roots causing an issue is very small.
2. No pump to maintain.
3. No septic system to be pumped.
4. Can accommodate future growth or additional flow if the building facilities are expanded.
5. Is not impacted by soils and there is no need to replace a drain field in the future.

The only downside to this option is the cost. The Contractor has provided an estimated cost of \$55,000.00 which includes City permits, manholes, some select tree removals and boring the line under the trees by a Subcontractor. (City connection fees are not included)

### ***Septic and Pump Option***

The Contractor also provided an estimated cost to replace the septic tank with a heavy-duty model and heavy-duty lids, reconnect to the existing force main out to the drain field, new grinder pump, associated electrical work, as well as pumping and removal of existing tanks. This is estimated at \$20,000.00. While obviously much lower initial cost than the gravity sewer option there is not nearly the same amount of benefit.

A few concerns with this option:

1. We do not know the condition of the existing drain field that this will connect too. The predominance of clay soils in the area is a concern and it is possible the drain field soils are less than ideal for a drain field. A future failure of the drain field and lack of good soil nearby could result in a costly drain field replacement at a future date. While it is possible to get an idea of the condition of the drain field it would still be difficult to determine the likely lifespan or capacity of the drain field. Additionally, drain fields are very dependent on maintenance and without knowing the past maintenance it is possible the drain field has already been compromised.
2. The option of expansion and increased flow is reduced since the drain field was previously sized for a small bathroom.
3. Septic tanks require regular maintenance.
4. The grinder pump would require future maintenance and likely replacement at regular intervals.

The benefit of this option is the lower initial cost compared to the gravity sewer lateral option. However, if there are issues with the drain field in the future, then those cost savings are reduced and there would be more disruption at a later date for reconstructing the drain field.

### ***Conclusion***

We are recommending the gravity sewer option be pursued. While the initial cost is higher we believe the benefits are worth the additional cost and it is a permanent solution that also provides flexibility in the future for this building.

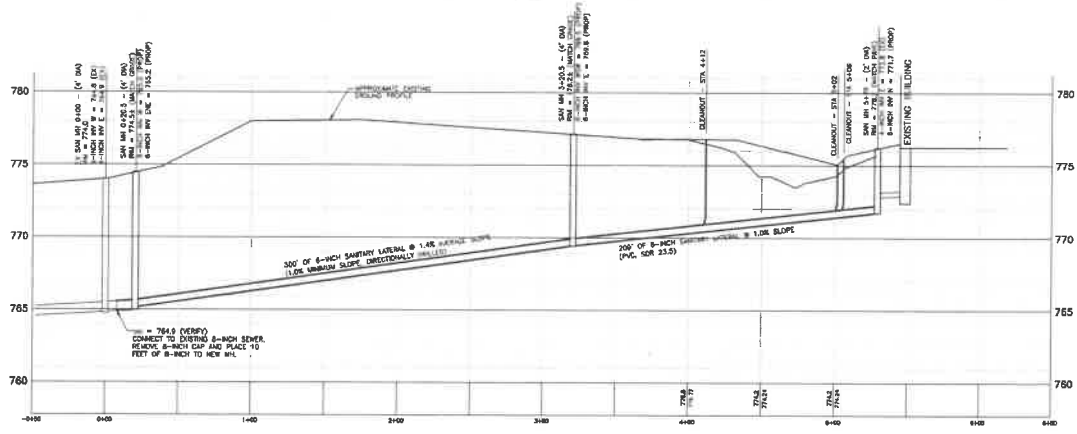
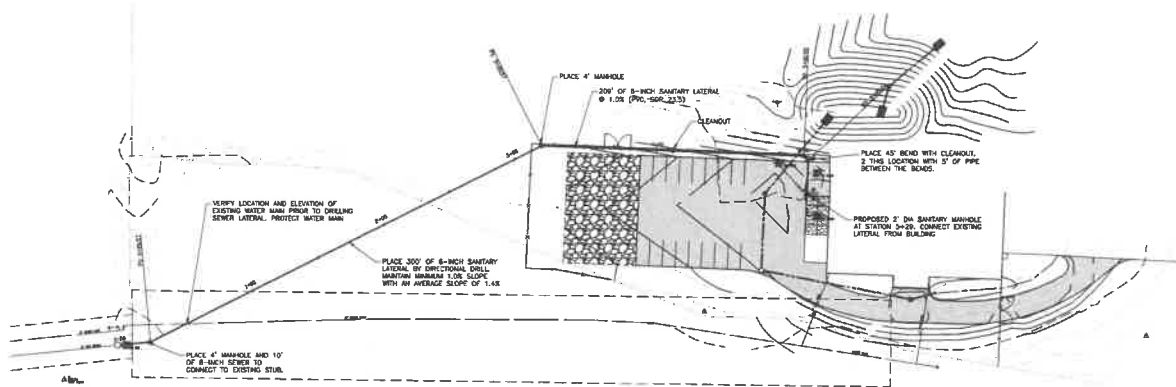
jlk  
Attachments  
By email



**fitch**

engineers  
scientists  
architects  
constructors

**Cascade Charter Township**  
Cascade Township, Michigan  
Burton Street Park Parking Expansion  
and Stormwater Detention



**SANITARY SEWER SERVICE PLAN**  
SCALE: 1" = 20'  
NORTH

REVISIONS

DATE	DESCRIPTION

PROJECT NO.  
**181268**

SHEET NO.  
**C301**

DATE: 07/20/16  
BY: [Signature]

MULTIPLE DIMENSIONS INDICATED BY DIMENSION LINES



# CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

**Date:** May 8, 2019  
**To:** Supervisor Beahan & Township Board  
**From:** Benjamin Swayze, Township Manager  
Adam Magers, Fire Chief  
**Subject:** Fire Department – Zodiac Boat Disposition

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## **FACTS:**

The Cascade Township Fire Department recently replaced the 1998 Zodiac boat with a Rescue One flat bottom boat, which is now fully in service. With the new apparatus coming into service, we must determine the disposition process for the retired Zodiac boat and trailer. Our adopted Fixed Asset Policy dictates the process for the disposition of assets:

*Sale of Fixed Assets – All assets with a residual value of \$5,000 or more must approved for disposition by the Township Board, unless the fixed asset is being traded in or exchanged at or above its residual value. The approval of disposition by the Township Board should include the approved means of disposition.*

Placing a residual value on the apparatus to be disposed has been difficult, but the general assumptions are outlined below:

- The Zodiac itself has no value. It is in need of repair as it is delaminating in several areas, and the cost of the repairs are probably more then the boat itself is worth
- The trailer has minimal value outside of being used to tow the Zodiac
- The boat motor has a moderate amount of value. It was purchased in 2014 or 2015 for approximately \$8,000. When we disposed of the previous boat motor, it fetched \$424 at auction, however it was 15 years old and undersized.

Recently the Caledonia Fire Department has expressed an interest in the apparatus. Their water rescue apparatus is lacking and they feel the Zodiac, if repaired, would be a positive addition to their department.

Attached for your review are:

- Photos of Zodiac to be disposed

## **ANALYSIS & CONCLUSIONS:**

After reviewing the request, we are making the recommendation that the Township donate the boat to the Caledonia Fire Department.

- The Department and the Township will receive more value from the boat if it remains in-service with a mutual aid partner then we would receive should it be sold at auction
- The boat will continue to be available to us, through mutual aid, in situations where we need a smaller craft (i.e. Quiggle Lake) or situations where we have no access to launch our boat and need a boat that can be hand carried to a launch point
- Donating the boat to the Caledonia Department will continue to help build goodwill in our partnership
- Even if we donate the boat to Caledonia, they will need to invest money in it to make it serviceable

The recommendation to donate the Zodiac to the Caledonia Fire Department was reviewed by the members of the Public Safety Advisory Committee and they have agreed to forward the recommendation to the Township Board for consideration.

**FINANCIAL CONSIDERATIONS:**

The Township has not budgeted any revenue for the sale of the Zodiac in the FY 2019 budget. There would be no further expense to the Township by donating the Zodiac to the Caledonia Fire Department. However, the Township would be forfeiting the opportunity to collect revenue from the sale of the Zodiac. It is estimated the Zodiac could bring between \$2,500 and \$5,000 if sold at auction, primarily through the value of the boat motor.

**RECOMMENDED ACTION:**

Approve the disposition of the Zodiac boat by donating to the Caledonia Fire Department.







# CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

**Date:** May 8, 2019  
**To:** Supervisor Beahan and Cascade Township Board  
**From:** Benjamin Swayze, Township Manager  
**Subject:** Thornapple River Environmental Study Update

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## **FACTS:**

In spring of 2014 the Cascade Township Board commissioned a baseline environmental study of the Thornapple River near the outlet of the new Gerald R. Ford International Airport stormwater treatment system. The study was approved by the Township Board in response to residents' concerns regarding the new GRFIA stormwater system and the potential for pollutants from the airport tarmac area to be deposited directly into the Thornapple River. At a MDEQ public hearing on the Gerald R. Ford International Airport NPDES permit application, the Township committed to providing a sediment testing and baseline environmental study to provide a comparative baseline analysis for future testing efforts.

The study was conducted to establish baseline parameters, not to identify any current needs or issues. With that, below is the summary of the findings.

- The location of the newly installed diffuser for discharge of treated deicing-fluid-containing wastewater was located and temporarily marked using GPS.
- Modeling data was obtained by FTCH and used to establish sampling locations within the probable zone of influence of the newly installed diffuser discharge.
- Fourteen shallow sediment samples were collected in the Thornapple River, seven upstream and seven downstream of the new diffuser.
- The sediment results indicate consistent concentrations of total metals both upstream and downstream of the newly-installed diffuser at Outfall 011.
- The observed characteristics did not vary significantly across the study area with only one sampling site being a potential outlier.
- Surface water quality indicator parameters were measured during the sediment sampling event at five different locations in the river. These measurements indicate overall good water quality.
- The sediment data will provide adequate background data for future comparison of potential changes in sediment characteristics as result of discharges from the newly installed diffuser.

The Township Board committed to utilizing the baseline study for future comparative studies when the GRFIA stormwater discharge permit is up for renewal, which it is in October 2019

Attached for your review are:

- Thornapple River Baseline Environmental Study and Sediment Testing results for the areas upstream and downstream of the stormwater project discharge area.
- Proposal for Thornapple River Sediment Testing from Fishbeck, Thompson, Carr & Huber

**ANALYSIS & CONCLUSIONS:**

The proposed testing will take place in late spring, and will be used to monitor any change in sediment metal levels in the area near the storm sewer outlet for the GRFIA. Fishbeck will collect seven samples upstream of the GRFIA discharge point and seven samples downstream of the discharge point in a similar manner as conducted during the 2014 study. The samples will be tested for the same metals menu as previously tested for, and will allow for a comparison of current metals concentrations to those determined in the original work.

In addition to the sediment sampling, the project will include a review of the National Pollutant Discharge Elimination System (NPDES) permit file that will include evaluating the compliance history for the GRFIA permit and to see if any permit enforcement actions have been taken by the MDEQ and what they may be related to. The final report from FTCH will include a summary interpretation of compliance history as well as an opinion of the impact of the discharge to the Thornapple River based on the sampling results and the information in the permit file. This information will be utilized to formulate the Township response to the MDEQ during the NPDES permit review and public comment period.

The Infrastructure Committee reviewed the proposal from Fishbeck at their April meeting and have recommended the proposal from Fishbeck be approved by the Township Board as presented.

**FINANCIAL CONSIDERATIONS:**

The Township Board has budgeted up to a cost of \$10,000 for the study in the FY19 budget. The proposal from Fishbeck has a budget of \$9,484 and includes \$7,900 for the sediment sampling program and NPDES file review as well as \$1,584 in laboratory fees.

**RECOMMENDED ACTION:**

To approve the proposal for Thornapple River Sediment Testing from Fishbeck, Thompson, Carr & Huber at a cost of \$9,484



October 23, 2018

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

Re: Proposal for Professional Services - Thornapple River Sediment Testing

Dear Ben:

Fishbeck, Thompson, Carr & Huber, Inc. (FTCH) is pleased to submit our proposal for the professional engineering services for the retesting of sediment in the Thornapple River. This testing will be used to monitor any change in sediment metals levels in the area near the storm sewer outlet for the Gerald R. Ford International Airport. (GRFIA)

## SCOPE OF SERVICES

FTCH proposes to collect seven sediment samples upstream and seven sediment samples downstream of the new GRFIA discharge into the Thornapple River identified as Outfall 011. The samples will be collected using a petite Ponar Dredge, which is designed to capture shallow sediment samples from lakes and streams. The samples will be submitted for the analysis of total metals including: aluminum, arsenic, barium, cadmium, copper, chromium, iron, lead, magnesium, manganese, mercury, nickel, selenium, silver, and zinc. Sampling locations will be logged using a handheld Global Positioning System (GPS) unit.

The intent of the sampling is to monitor sediment quality upstream and downstream of the discharge location. Samples will be collected within the area of the sampling FTCH performed in 2014, proximate to the discharge location, to characterize sediment quality upstream and downstream of the discharge.

The collection of multiple samples upstream and downstream provides the ability to evaluate the range of metals concentrations in the sediments. Sediment metals concentrations can vary significantly due to natural variation; therefore, it is important to collect a sufficient number of samples to account for this variation. The collection of seven samples both upstream and downstream of the intended discharge location will provide a sufficient number of samples to allow for a statistical evaluation of the variability in sediment metals levels. This is the same approach used during the work FTCH completed in 2014 and will allow for a comparison of current metals concentrations to those determined in the original work.

The samples will be collected by a two-person crew from a boat supplied by FTCH. FTCH will supply trained sampling personnel and all necessary sampling equipment. A review of available public access boat launch sites does not indicate a location on the Thornapple River in the area of the discharge. If the Township has access to a suitable small boat launch ramp near the new Outfall location, that would be very helpful. This proposal is contingent on launching FTCH's 14-foot aluminum Jon boat from a trailer near the sampling area, we did previously.

Sample results will be tabulated and compared to relevant Michigan Department of Environmental Quality (MDEQ) criteria and to the results of the 2014 evaluation. A report of the field activities including a figure showing the sampling locations will also be provided.



## BUDGET

FTCH proposes a not-to-exceed budget of \$7,900 for completion of the above outlined sediment sampling and review of the National Pollutant Discharge Elimination System (NPDES) permit file for the GRFIA discharge. We have budgeted two days with a two-man crew for sampling along with mobilization for sampling. Laboratory fees are estimated \$1,584 for metals analysis on a total of 16 samples (14 investigative samples and 2 field duplicate sample). Samples will be analyzed using United States Environmental Protection Agency (USEPA) Methods. Time and expenses will be invoiced at current rates for actual time and expenses incurred. The total budget for this project is \$9,484.

The NPDES permit file review will include evaluating the compliance history for the GRFIA permit and to see if any permit enforcement actions have been taken by the MDEQ and what these may be related to. Communications between the GRFIA and the MDEQ regarding the permit will be reviewed using the MiWaters information database. A summary interpretation of compliance history will be provided as part of the project report. FTCH will also provide an opinion of the impact of the discharge to the Thornapple River based on the sampling results and the information in the permit file.

Thank you for the opportunity to provide this proposal for professional environmental services. If you have any questions regarding our scope of services, please contact me at 616-464-3927 or [mberrevoets@ftch.com](mailto:mberrevoets@ftch.com).

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.

A handwritten signature in black ink, appearing to read "Michael L. Berrevoets".

Michael L. Berrevoets, P.E.

A handwritten signature in black ink, appearing to read "David J. Filipiak".

David J Filipiak, CHMM

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By email



July 1, 2014  
Project No. G140411

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

Re: Thornapple River Sediment Testing

Dear Ben:

This letter report presents the results of the Thornapple River sediment sampling performed by Fishbeck, Thompson, Carr & Huber, Inc. (FTCH) on May 30, 2014. River sediment testing was completed in accordance with our March 17, 2014 proposal and comments received on this proposal from your office. The intent of the sampling is to establish pre-discharge sediment quality upstream and downstream of the discharge location.

FTCH collected seven shallow sediment samples upstream and seven sediment samples downstream of the new Gerald R. Ford International Airport (GRFIA) discharge into the Thornapple River identified as Outfall 011 in NPDES Permit No. MI0055735. The location of the newly installed discharge diffuser header was located using information supplied by GRFIA and their consultants. The edges of the diffuser were located using the latitude and longitude coordinates supplied to FTCH and were marked using temporary small buoys weighted to the river bottom. To be sure that the downstream sample would be collected within the likely zone of impact from the discharge, FTCH used diffuser modeling data developed by CH2M Hill Inc. on behalf of the GRFIA.

Figure 1 shows the location of the diffuser based on the coordinates supplied to FTCH and the recorded sample collection locations both upstream and downstream of the diffuser. The diffuser location ends as well as the sampling location coordinates are summarized in Table 1.

Shallow river sediment samples were collected using a petite Ponar Dredge, which is a clamshell-type sampler designed to capture shallow sediment samples from lakes and streams. The depth of sample collection using this method is typically the first two to three inches of sediments. The sediment samples were submitted for the analysis of total metals including: aluminum, arsenic, barium, cadmium, copper, chromium, iron, lead, magnesium, manganese, mercury, nickel, selenium, silver, and zinc. Sampling locations were logged using a hand-held Trimble Global Positioning System (GPS) unit. Field duplicate sediment samples were collected at one upstream location (D-8) and one downstream location (D-2). Water quality measurements (pH, temperature, specific conductance, and dissolved oxygen) were recorded using a calibrated YSI Model 556 Multimeter from the midpoint of the water column at locations 2, 5, 7, 9, and 11. Water turbidity was measured and a surface sample was collected at these same locations using a LaMotte 2020 Turbidimeter.

A representative from LimnoTech was present on behalf of the GRFIA to observe the sampling and to split samples with FTCH staff. Sediment samples collected by FTCH were handled under standard chain-of-custody procedures and were delivered to TriMatrix Laboratories, Inc. in Grand Rapids for laboratory analysis. A copy of the laboratory report is included as Attachment 1.



The collection of multiple samples upstream and downstream was performed to evaluate the range of metals concentrations in the sediments. Sediment metals concentrations can vary significantly due to natural variation; therefore, it is important to collect a sufficient number of samples to account for this variation. The collection of seven samples both upstream and downstream of the intended discharge location provides a sufficient number of samples to allow for an evaluation of the variability in sediment metals levels. The goal of the sampling program is to allow for current metals concentrations to be compared to the results from future sampling events in the same area to determine if any significant changes in sediment metals concentrations have occurred as a result of the recently permitted new Outfall from the GRFIA.

### **Sediment Sample Results**

The sediment samples collected within the study area were all described as comprised of a mixture of fine grained materials (clay, silt, and very fine sand). The results of the sediment sampling are presented in Table 2. Comparison of the results to Michigan Part 201 soil statewide background and soil cleanup values are included for reference. Many factors impact the concentration of metals in soils and sediments, including parent material and grain size. The mobility or partitioning of metals from soils and sediments is also a function of parent material, grain size, and environmental conditions. The aquatic environment pH and dissolved oxygen concentration have a significant impact on the partitioning of metals found in soils and sediments into the surrounding waters with lower pH and dissolved oxygen concentrations favoring metals solubility.

Table 2 presents the range of values observed in the upstream samples, while Table 3 presents the range of values observed in the downstream samples. Tables 3 and 4 also present some basic statistical calculations on the upstream and downstream data using the investigative sample results and omitting the field duplicate samples. Field duplicate samples are collected to determine sampling precision and therefore, omitting field duplicate results from statistical calculations of the variability of multiple sediment samples within an investigation area is appropriate.

The total metals results are presented on a dry weight basis to normalize the impact of the amount of water contained in each sample. A review of the data shows only small variations in the sediment sample metals concentrations at both the upstream and downstream locations. The average, standard deviation, minimum and maximum concentrations, and coefficient of variance for the upstream and downstream groups of samples are presented in Tables 2 and 3. The relatively low coefficient of variation, which is the standard deviation divided by the mean for each sample group, supports that the sediment metals concentrations were quite consistent.

There was one potential outlier in the sample group; the percent solids concentration at location D-7 was reported at 65%, while the percent solids concentration at all of the other sampling locations averaged 37.5% with a range of 34% to 43%. Sample D-7 also showed generally lower total metals concentrations as compared to the rest of the sample group. The inclusion of the results for sample D-7 in the downstream group results in a larger standard deviation for the downstream samples and a corresponding larger coefficient of variation for this group as opposed to the upstream group. Sample field notes do not indicate a difference in the visual characteristics of the sample collected at location D-7.



## Water Quality Field Parameters

Surface water quality indicator parameters (temperature, pH, specific conductance (SC), and dissolved oxygen (DO) were measured at the midpoint of the water column at sediment sampling locations D-2, D-5, D-7, D-9, and D-11. A surface water sample was also collected at each of these locations to measure turbidity. These results are summarized in the table below.

### Surface Water Quality Monitoring Results

Location	Temperature (°C)	pH	SC (µmhos/cm)	DO (mg/L)	Turbidity (NTU)
D-2	20.8	7.9	632	7.6	14.6
D-5	20.7	7.8	640	7.6	9.2
D-7	20.7	7.4	672	7.2	6.1
D-9	20.5	7.6	642	8.1	11.8
D-11	20.7	7.9	626	7.3	5.9

°C – Degrees Celsius

µmhos/cm – micromhos per centimeter

mg/L – milligrams per liter

NTU – Nephelometric Units

These results would be considered well within typical values for warm water streams in Michigan. The recorded DO concentrations averaged approximately 84% of theoretical saturation. The observed turbidity values are considered low, indicating overall good water clarity. Water depth across the sampling area was nearly uniform at 15 feet, ranging from 12.5 to 15.5 feet.

There was no evidence of any unnatural physical properties observed in the river during the sediment sampling event, including elevated levels of color, oil films, foams, deposits, solids, or odors.

## Summary

- The location of the newly installed diffuser for discharge of treated deicing-fluid-containing wastewater was located and temporarily marked using GPS.
- Modeling data was obtained by FTCH and used to establish sampling locations within the probable zone of influence of the newly installed diffuser discharge.
- Fourteen shallow sediment samples were collected in the Thornapple River, seven upstream and seven downstream of the new diffuser.
- The sediment results indicate consistent concentrations of total metals both upstream and downstream of the newly-installed diffuser at Outfall 011.
- The observed sediment characteristics did not vary significantly across the study area with only one sampling site being a potential outlier.
- Surface water quality indicator parameters were measured during the sediment sampling event at five different locations in the river. These measurements indicate overall good water quality.
- The sediment data will provide adequate background data for future comparison of potential changes in sediment characteristics as result of discharges from the newly installed diffuser.

Mr. Ben Swayze  
Page 4  
July 1, 2014



Should you have any questions please contact me at [djfilipiak@ftch.com](mailto:djfilipiak@ftch.com) or at 616-464-3743.

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.

A handwritten signature in black ink, which appears to read "David Filipiak".

David J. Filipiak, CHMM

nes

Attachment

cc/att: Mr. Michael L. Berrevoets, PE - FTCH

# Figures

**fresh**  
 engineers  
 scientist  
 architects  
 constructors

Black & Veatch, Thompson,  
 Carr & Huber, Inc.  
 Hard copy is  
 provided to be  
 printed. Safety  
 graphics quality may  
 vary across for  
 any other files.

**Cascade Township**  
 Kent County, Michigan  
**Thomapple River**  
 Sediment Sampling

PROJECT NO.  
 G140611  
 FIGURE NO.  
**1**



# Tables

**Table 1 - Diffuser Location Ends and Sampling Location Coordinates  
Thornapple River, GRFIA Outfall 011**

Diffuser SW End	42° 53' 13.20"	-85° 29' 10.05"
Diffuser NE End	42° 53' 13.71"	-85° 29' 9.50"
D-1	42° 53' 13.36"	-85° 29' 10.34"
D-2	42° 53' 13.67"	-85° 29' 10.13"
D-3	42° 53' 13.94"	-85° 29' 9.77"
D-4	42° 53' 14.10"	-85° 29' 10.30"
D-5	42° 53' 13.86"	-85° 29' 10.58"
D-6	42° 53' 14.08"	-85° 29' 11.03"
D-7	42° 53' 14.69"	-85° 29' 10.49"
D-8	42° 53' 13.61"	-85° 29' 9.16"
D-9	42° 53' 13.38"	-85° 29' 9.68"
D-10	42° 53' 13.07"	-85° 29' 9.76"
D-11	42° 53' 13.12"	-85° 29' 9.20"
D-12	42° 53' 13.21"	-85° 29' 8.83"
D-13	42° 53' 12.91"	-85° 29' 8.01"
D-14	42° 53' 12.68"	-85° 29' 8.74"

**Table 2 - Summary of Sediment Sample Results  
Thornapple River, GRFIA Outfall 011**

Sample Location:		CAS Number	Residential DWPC	GSIP Criteria	D-1 (15') Investigative 05/30/14 35%	D-2 (15') Investigative 05/30/14 36%	D-2 Duplicate 05/30/14 37%	D-3 (15') Investigative 05/30/14 38%	D-4 (15') Investigative 05/30/14 41%	D-5 (15') Investigative 05/30/14 34%	D-6 (15') Investigative 05/30/14 40%	D-7 (12.5') Investigative 05/30/14 65%
Sample Depth (ft): Investigative/Field Duplicate:	Collection Date:											
<b>Metals, Total</b>												
Aluminum (B)	7429-90-5	6.90E+06	1,000	NA	9,500,000	10,000,000	10,000,000	9,500,000	8,400,000	11,000,000	11,000,000	2,000,000
Arsenic (B)	7440-38-2	5,600	4,600	5,600 J	5,600	5,900	5,100	5,600	4,600	5,800	5,800	2,200
Barium (B)	7440-38-2	75,000	1,30E+06	110,000	110,000	110,000	100,000	110,000	89,000	130,000	120,000	24,000
Cadmium (B)	7440-33-9	1,200	6,000	390	420	370	370	370	350	420	400	200 U
Chromium, Total (B, H)	7440-47-3	18,000 (total)	30,000	27,000	15,000	15,000	15,000	19,000	14,000	19,000	19,000	3,900
Copper (B)	7440-50-8	32,000	5,80E+06	24,000	16,000	16,000	17,000,000	16,000,000	15,000,000	18,000,000	18,000,000	4,800,000
Iron (B)	7439-89-6	21,000	8,00E+06	13,000	12,000	12,000	13,000	13,000	11,000	15,000	15,000	3,000
Lead (B)	7439-92-1	NA	2,00E+06	1,000,000	760,000	640,000	640,000	730,000	580,000	750,000	760,000	190,000
Magnesium (B)	7439-95-4	4,40E+05	1,000	59	61	58	61	58	66	66	66	46 U
Manganese (B)	7439-96-5	130	1,700	60	59	60	61	58	58	66	66	46 U
Nickel (B)	7440-02-0	20,000	100,000	23,000	13,000	13,000	13,000	15,000	11,000	15,000	16,000	3,800
Selenium (B)	7782-49-2	410	4,000	830	710	750	710	750	590	800	740	200 U
Silver (B)	7440-22-4	1,000	4,500	140	140	120	120	120	120	140	140	100 U
Zinc (B)	7440-66-6	47,000	2,40E+06	61,000	64,000	61,000	61,000	59,000	54,000	64,000	64,000	14,000
<b>Metals, Total</b>												
Aluminum (B)	7429-90-5	6.90E+06	1,000	8,300,000	8,000,000	7,700,000	10,000,000	10,000,000	10,000,000	9,800,000	8,500,000	11,000,000
Arsenic (B)	7440-38-2	5,600	4,600	4,800	4,200	4,500	7,100	7,100	5,900	5,500	5,400	6,100
Barium (B)	7440-38-2	75,000	1,30E+06	510,000	99,000	99,000	130,000	130,000	120,000	110,000	100,000	140,000
Cadmium (B)	7440-33-9	1,200	6,000	370	320	330	460	460	410	400	350	490
Chromium, Total (B, H)	7440-47-3	18,000 (total)	30,000	16,000	15,000	15,000	18,000	18,000	18,000	17,000	15,000	20,000
Copper (B)	7440-50-8	32,000	5,80E+06	16,000	14,000	15,000	14,000,000	14,000,000	18,000	18,000	16,000	22,000
Iron (B)	7439-89-6	21,000	8,00E+06	16,000	14,000	15,000	20,000	20,000	18,000	17,000,000	15,000,000	19,000,000
Lead (B)	7439-92-1	NA	2,00E+06	15,000,000	14,000,000	14,000,000	18,000,000	18,000,000	17,000,000	17,000,000	15,000,000	19,000,000
Magnesium (B)	7439-95-4	NA	8,00E+06	12,000	11,000	12,000	15,000	15,000	14,000	14,000	12,000	16,000
Manganese (B)	7439-96-5	4,40E+05	1,000	610,000	530,000	550,000	890,000	890,000	750,000	670,000	640,000	780,000
Nickel (B)	7440-02-0	20,000	100,000	58	50 U	50 U	66	66	60	71	56	89
Selenium (B)	7782-49-2	410	4,000	680	650	670	850	850	760	710	670	880
Silver (B)	7440-22-4	1,000	4,500	120	110	110	140	140	140	130	110	130
Zinc (B)	7440-66-6	47,000	2,40E+06	53,000	51,000	51,000	66,000	66,000	62,000	65,000	55,000	67,000

Port 204 Residential Soil Generic Cleanup Criteria and Screening Levels/Part 213 Risk-based Screening Levels, December 30, 2013.

Results expressed in µg/kg dry weight.

Data Qualifiers:

U - Not detected.

J - Estimated value.

Footnotes/Abbreviations:

(B) - Background may be substituted if higher than calculated cleanup criterion.

(G) - Calculated based on water hardness of 150 mg/L.

(H) - Data provided for total chromium only; evaluated against hexavalent Cr criteria.

(M) - Calculated criterion is below the target detection limit (TDL); first number is the criterion (TDL), the second is the risk-based value.

(R) - Criterion is not protective for surface water used as a drinking water source.

GSIP - Groundwater surface water interface protection

NA - Not available



**Table 3 - Summary of the Upstream Sediment Sample Results  
Thornapple River, GRFIA Outfall 011**

Sample Location: Sample Depth (ft): Investigative/Field Duplicate: Collection Date: % Solids:	D-8 (15') Investigative 05/30/14 39%	D-9 (15.5') Investigative 05/30/14 39%	D-10 (15') Investigative 05/30/14 35%	D-11 (15') Investigative 05/30/14 36%	D-12 (15') Investigative 05/30/14 38%	D-13 (15') Investigative 05/30/14 38%	D-14 (14.5') Investigative 05/30/14 36%	Average	Standard Deviation	Coefficient of Variation %	Minimum	Maximum
Aluminum	8,300,000	7,700,000	10,000,000	10,000,000	9,800,000	8,500,000	11,000,000	9,328,571	1,177,164	12.6	7,700,000	11,000,000
Arsenic	4,800	4,500	7,100	5,900	5,500	5,400	6,100	5,614	865	15.4	4,500	7,100
Barium	510,000	93,000	130,000	120,000	110,000	100,000	140,000	171,857	150,003	87.3	93,000	510,000
Cadmium	370	330	460	410	400	350	430	393	46	11.6	330	460
Chromium, Total	16,000	15,000	18,000	18,000	17,000	15,000	20,000	17,000	1,826	10.7	15,000	20,000
Copper	16,000	15,000	20,000	18,000	18,000	16,000	22,000	17,857	2,478	13.9	15,000	22,000
Iron	15,000,000	14,000,000	18,000,000	17,000,000	17,000,000	15,000,000	19,000,000	16,428,571	1,812,654	11.0	14,000,000	19,000,000
Lead	12,000	12,000	15,000	14,000	14,000	12,000	16,000	13,571	1,618	11.9	12,000	16,000
Magnesium	14,000,000	14,000,000	17,000,000	16,000,000	16,000,000	15,000,000	16,000,000	15,428,571	1,133,893	7.3	14,000,000	17,000,000
Manganese	610,000	550,000	890,000	750,000	670,000	640,000	780,000	698,571	115,532	16.5	550,000	890,000
Mercury (Total)	58	25	66	60	71	56	69	58	16	26.9	25	71
Nickel	13,000	12,000	15,000	15,000	14,000	13,000	16,000	14,000	1,414	10.1	12,000	16,000
Selenium	680	670	850	760	710	670	880	746	88	11.8	670	880
Silver	120	110	140	140	130	110	130	126	13	10.1	110	140
Zinc	53,000	51,000	66,000	62,000	65,000	55,000	67,000	59,857	6,694	11.2	51,000	67,000

Results expressed in µg/kg dry weight.

For results reported as U - Not Detected, a value of 50% of the detection limit was used for statistical calculations.

**Table 4 - Summary of the Downstream Sediment Sample Results  
Thornapple River, GRFIA Outfall 011**

Sample Location: Sample Depth (ft): Investigative/Field Duplicate: Collection Date: % Solids:	D-1 (15') Investigative 05/30/14 35%	D-2 (15') Investigative 05/30/14 36%	D-3 (15') Investigative 05/30/14 38%	D-4 (15') Investigative 05/30/14 43%	D-5 (15') Investigative 05/30/14 34%	D-6 (15') Investigative 05/30/14 40%	D-7 (12.5') Investigative 05/30/14 65%	Average	Standard Deviation	Coefficient of Variation %	Minimum	Maximum
Aluminum	9,500,000	10,000,000	9,500,000	8,400,000	11,000,000	11,000,000	2,000,000	8,771,429	3,122,346	35.6	2,000,000	11,000,000
Arsenic	5,600	5,900	5,600	4,600	5,800	5,800	2,200	5,071	1,340	26.4	2,200	5,900
Barium	110,000	110,000	110,000	89,000	130,000	120,000	24,000	99,000	35,332	35.7	24,000	130,000
Cadmium	390	420	370	350	420	400	100	350	113	32.3	100	420
Chromium, Total	27,000	15,000	19,000	14,000	19,000	19,000	3,900	16,700	7,024	42.1	3,900	27,000
Copper	24,000	16,000	21,000	14,000	19,000	19,000	3,100	16,586	6,770	40.8	3,100	24,000
Iron	18,000,000	17,000,000	16,000,000	15,000,000	18,000,000	18,000,000	4,600,000	15,228,571	4,826,909	31.7	4,600,000	18,000,000
Lead	13,000	12,000	13,000	11,000	15,000	15,000	3,000	11,714	4,112	35.1	3,000	15,000
Magnesium	15,000,000	16,000,000	15,000,000	15,000,000	16,000,000	16,000,000	4,000,000	13,857,143	4,375,255	31.6	4,000,000	16,000,000
Manganese	1,000,000	760,000	730,000	580,000	750,000	760,000	190,000	681,429	249,227	36.6	190,000	1,000,000
Mercury (Total)	60	59	55	58	66	66	23	55	15	26.8	23	66
Nickel	23,000	13,000	15,000	11,000	15,000	16,000	3,800	13,829	5,786	41.8	3,800	23,000
Selenium	680	830	750	590	800	740	100	641	251	39.2	100	830
Silver	140	140	120	120	140	140	50	121	33	27.1	50	140
Zinc	61,000	64,000	59,000	54,000	64,000	64,000	14,000	54,286	18,136	33.4	14,000	64,000

Results expressed in µg/kg dry weight.  
For results reported as U - Not Detected, a value of 50% of the detection limit was used for statistical calculations.

# Attachment 1





June 10, 2014

Fishbeck, Thompson, Carr & Huber  
Attn: Mary Crosby-Davies  
1515 Arboretum Drive SE  
Grand Rapids, MI 49546

**Project: Cascade Twn; Thornapple River; G140411**

Dear Mary Crosby-Davies,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

<b>Work Order</b>	<b>Received</b>	<b>Description</b>
1406010	06/02/2014	G140411

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACCLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Jennifer L. Rice  
Project Chemist



**PROJECT TECHNICAL NARRATIVE(s)**

**Total Metals by EPA 6000/7000 Series Methods**

**Narrative:** Matrix QC results are not available due to sample dilution.

Analysis: USEPA-6020A

Sample/Analyte: 1406010-01 CTR-14-05-D-1 (15') (I) Barium  
1406010-01 CTR-14-05-D-1 (15') (I) Manganese

**Narrative:** The CRL recovery for this analyte was outside of the laboratory control limits.

Analysis: USEPA-6020A

4F05004-CRL2 Nickel

**Narrative:** The MS and/or MSD recovery was outside the control limit. The non-spiked sample concentration for the same analyte was greater than or equal to 4 times the spiked amount; matrix QC results are not available.

Analysis: USEPA-6010C

Sample/Analyte: 1406010-01 CTR-14-05-D-1 (15') (I) Aluminum  
1406010-01 CTR-14-05-D-1 (15') (I) Iron

Analysis: USEPA-6020A

Sample/Analyte: 1406010-01 CTR-14-05-D-1 (15') (I) Chromium  
1406010-01 CTR-14-05-D-1 (15') (I) Copper  
1406010-01 CTR-14-05-D-1 (15') (I) Nickel

**Narrative:** The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit.

Analysis: USEPA-6010C

Sample/Analyte: 1406010-01 CTR-14-05-D-1 (15') (I) Zinc



## STATEMENT OF DATA QUALIFICATIONS

### Total Metals by EPA 6000/7000 Series Methods

**Qualification:** The % difference in results between the sample and a serial dilution of the sample exceeded the method control limit. Sample matrix interference is suspected.

Analysis: USEPA-6020A

Sample/Analyte: 1406010-01      CTR-14-05-D-1 (15') (I)      Arsenic



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-1 (15') (I)</b>	Sampled:	5/30/14 10:45
Lab Sample ID:	<b>1406010-01</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	35		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>9500000</b>	500000	ug/kg dry wt.	50	USEPA-6010C	06/05/14 12:32	KLV	1405317
*Arsenic	<b>5600</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:15	DSC	1405319
Barium	<b>1100000</b>	250000	ug/kg dry wt.	25	USEPA-6020A	06/05/14 14:25	DSC	1405319
Cadmium	<b>390</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:15	DSC	1405319
Chromium	<b>27000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 14:45	DSC	1405319
Copper	<b>24000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 14:45	DSC	1405319
Iron	<b>18000000</b>	1200000	ug/kg dry wt.	250	USEPA-6010C	06/05/14 12:20	KLV	1405317
Lead	<b>13000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 14:45	DSC	1405319
Magnesium	<b>15000000</b>	500000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:14	KLV	1405317
Manganese	<b>1000000</b>	200000	ug/kg dry wt.	200	USEPA-6020A	06/06/14 11:20	DSC	1405319
Mercury	<b>60</b>	46	ug/kg dry wt.	1	USEPA-7471B	06/03/14 11:52	DSC	1405308
Nickel	<b>23000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 14:45	DSC	1405319
Selenium	<b>680</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:15	DSC	1405319
Silver	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:15	DSC	1405319
Zinc	<b>61000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:14	KLV	1405317

\*See Statement of Data Qualifications



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-1 (15') (I)**      Sampled: 5/30/14 10:45  
Lab Sample ID: **1406010-01**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	35	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-2 (15') (I)</b>	Sampled:	5/30/14 11:10
Lab Sample ID:	<b>1406010-02</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	36		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>1000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:53	KLV	1405317
Arsenic	<b>5900</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:35	DSC	1405319
Barium	<b>110000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/05/14 15:04	DSC	1405319
Cadmium	<b>420</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:35	DSC	1405319
Chromium	<b>15000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:07	DSC	1405319
Copper	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:07	DSC	1405319
Iron	<b>17000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:53	KLV	1405317
Lead	<b>12000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:07	DSC	1405319
Magnesium	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:53	KLV	1405317
Manganese	<b>760000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 09:38	DSC	1405319
Mercury	<b>59</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:19	DSC	1405308
Nickel	<b>13000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:07	DSC	1405319
Selenium	<b>830</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:35	DSC	1405319
Silver	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:35	DSC	1405319
Zinc	<b>64000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 09:53	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-2 (15') (I)**      Sampled: 5/30/14 11:10  
Lab Sample ID: **1406010-02**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	36	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



### ANALYTICAL REPORT

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-2 (15') (D)</b>	Sampled:	5/30/14 11:10
Lab Sample ID:	<b>1406010-03</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	37		

#### Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Aluminum</b>	<b>1000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:00	KLV	1405317
<b>Arsenic</b>	<b>5100</b>	91	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:39	DSC	1405319
<b>Barium</b>	<b>100000</b>	23000	ug/kg dry wt.	25	USEPA-6020A	06/05/14 15:11	DSC	1405319
<b>Cadmium</b>	<b>370</b>	180	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:39	DSC	1405319
<b>Chromium</b>	<b>15000</b>	9100	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:15	DSC	1405319
<b>Copper</b>	<b>16000</b>	4600	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:15	DSC	1405319
<b>Iron</b>	<b>17000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:00	KLV	1405317
<b>Lead</b>	<b>12000</b>	4600	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:15	DSC	1405319
<b>Magnesium</b>	<b>15000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:00	KLV	1405317
<b>Manganese</b>	<b>640000</b>	91000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 09:41	DSC	1405319
<b>Mercury</b>	<b>61</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:24	DSC	1405308
<b>Nickel</b>	<b>13000</b>	4600	ug/kg dry wt.	5	USEPA-6020A	06/05/14 15:15	DSC	1405319
<b>Selenium</b>	<b>710</b>	180	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:39	DSC	1405319
<b>Silver</b>	<b>120</b>	91	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:39	DSC	1405319
<b>Zinc</b>	<b>61000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:00	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-2 (15') (D)**      Sampled: 5/30/14 11:10  
Lab Sample ID: **1406010-03**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	37	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-3 (15') (I)</b>	Sampled:	5/30/14 11:30
Lab Sample ID:	<b>1406010-04</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	38		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>9500000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:06	KLV	1405317
Arsenic	<b>5600</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:43	DSC	1405319
Barium	<b>110000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/05/14 15:18	DSC	1405319
Cadmium	<b>370</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:43	DSC	1405319
Chromium	<b>19000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:47	DSC	1405319
Copper	<b>21000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:47	DSC	1405319
Iron	<b>16000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:06	KLV	1405317
Lead	<b>13000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:47	DSC	1405319
Magnesium	<b>15000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:06	KLV	1405317
Manganese	<b>730000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 09:44	DSC	1405319
Mercury	<b>55</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:29	DSC	1405308
Nickel	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:47	DSC	1405319
Selenium	<b>750</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:43	DSC	1405319
Silver	<b>120</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:43	DSC	1405319
Zinc	<b>59000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:06	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-3 (15') (I)**      Sampled: 5/30/14 11:30  
Lab Sample ID: **1406010-04**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	38	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-4 (15') (I)</b>	Sampled:	5/30/14 11:50
Lab Sample ID:	<b>1406010-05</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	43		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>8400000</b>	9100	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:12	KLV	1405317
Arsenic	<b>4600</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:47	DSC	1405319
Barium	<b>89000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 09:50	DSC	1405319
Cadmium	<b>350</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:47	DSC	1405319
Chromium	<b>14000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:54	DSC	1405319
Copper	<b>14000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:54	DSC	1405319
Iron	<b>15000000</b>	4600	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:12	KLV	1405317
Lead	<b>11000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:54	DSC	1405319
Magnesium	<b>15000000</b>	46000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:12	KLV	1405317
Manganese	<b>580000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:36	DSC	1405319
Mercury	<b>58</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:35	DSC	1405308
Nickel	<b>11000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 09:54	DSC	1405319
Selenium	<b>590</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:47	DSC	1405319
Silver	<b>120</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:47	DSC	1405319
Zinc	<b>54000</b>	4600	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:12	KLV	1405317



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-4 (15') (I)</b>	Sampled:	5/30/14 11:50
Lab Sample ID:	<b>1406010-05</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	43	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



### ANALYTICAL REPORT

Client: <b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order: <b>1406010</b>
Project: Cascade Twn; Thornapple River; G140411	Description: G140411
Client Sample ID: <b>CTR-14-05-D-5 (15') (I)</b>	Sampled: 5/30/14 12:15
Lab Sample ID: <b>1406010-06</b>	Sampled By: MJI, APS
Matrix: Sediment	Received: 6/2/14 12:26
Percent Solids: 34	

#### Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Aluminum</b>	<b>11000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:19	KLV	1405317
<b>Arsenic</b>	<b>5800</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:51	DSC	1405319
<b>Barium</b>	<b>130000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 09:57	DSC	1405319
<b>Cadmium</b>	<b>420</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:51	DSC	1405319
<b>Chromium</b>	<b>19000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:00	DSC	1405319
<b>Copper</b>	<b>19000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:00	DSC	1405319
<b>Iron</b>	<b>18000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:19	KLV	1405317
<b>Lead</b>	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:00	DSC	1405319
<b>Magnesium</b>	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:19	KLV	1405317
<b>Manganese</b>	<b>750000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:39	DSC	1405319
<b>Mercury</b>	<b>66</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:40	DSC	1405308
<b>Nickel</b>	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:00	DSC	1405319
<b>Selenium</b>	<b>800</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:51	DSC	1405319
<b>Silver</b>	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 12:51	DSC	1405319
<b>Zinc</b>	<b>64000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:19	KLV	1405317



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-5 (15') (I)</b>	Sampled:	5/30/14 12:15
Lab Sample ID:	<b>1406010-06</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	34	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-6 (15') (I)</b>	Sampled:	5/30/14 12:35
Lab Sample ID:	<b>1406010-07</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	40		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>11000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:25	KLV	1405317
Arsenic	<b>5800</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:03	DSC	1405319
Barium	<b>120000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:03	DSC	1405319
Cadmium	<b>400</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:03	DSC	1405319
Chromium	<b>19000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:06	DSC	1405319
Copper	<b>19000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:06	DSC	1405319
Iron	<b>18000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:25	KLV	1405317
Lead	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:06	DSC	1405319
Magnesium	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:25	KLV	1405317
Manganese	<b>760000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:42	DSC	1405319
Mercury	<b>66</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:46	DSC	1405308
Nickel	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:06	DSC	1405319
Selenium	<b>740</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:03	DSC	1405319
Silver	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:03	DSC	1405319
Zinc	<b>64000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:25	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-6 (15') (I)**      Sampled: 5/30/14 12:35  
Lab Sample ID: **1406010-07**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	40	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-7 (12.5') (I)</b>	Sampled:	5/30/14 12:50
Lab Sample ID:	<b>1406010-08</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	65		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Aluminum</b>	<b>2000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:32	KLV	1405317
<b>Arsenic</b>	<b>2200</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Barium</b>	<b>24000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:16	DSC	1405319
Cadmium	<200	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Chromium</b>	<b>3900</b>	2000	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Copper</b>	<b>3100</b>	1000	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Iron</b>	<b>4600000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:32	KLV	1405317
<b>Lead</b>	<b>3000</b>	1000	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Magnesium</b>	<b>4000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:32	KLV	1405317
<b>Manganese</b>	<b>190000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:45	DSC	1405319
Mercury	<46	46	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:51	DSC	1405308
<b>Nickel</b>	<b>3800</b>	1000	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
Selenium	<200	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
Silver	<100	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:07	DSC	1405319
<b>Zinc</b>	<b>14000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:32	KLV	1405317



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-7 (12.5') (I)</b>	Sampled:	5/30/14 12:50
Lab Sample ID:	<b>1406010-08</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	65	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



### ANALYTICAL REPORT

Client: <b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order: <b>1406010</b>
Project: Cascade Twn; Thornapple River; G140411	Description: G140411
Client Sample ID: <b>CTR-14-05-D-8 (15') (I)</b>	Sampled: 5/30/14 13:40
Lab Sample ID: <b>1406010-09</b>	Sampled By: MJI, APS
Matrix: Sediment	Received: 6/2/14 12:26
Percent Solids: 39	

#### Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Aluminum</b>	<b>8300000</b>	9300	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:46	KLV	1405317
<b>Arsenic</b>	<b>4800</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:11	DSC	1405319
<b>Barium</b>	<b>510000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:22	DSC	1405319
<b>Cadmium</b>	<b>370</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:11	DSC	1405319
<b>Chromium</b>	<b>16000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:22	DSC	1405319
<b>Copper</b>	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:22	DSC	1405319
<b>Iron</b>	<b>15000000</b>	4600	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:46	KLV	1405317
<b>Lead</b>	<b>12000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:22	DSC	1405319
<b>Magnesium</b>	<b>14000000</b>	46000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:46	KLV	1405317
<b>Manganese</b>	<b>610000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:48	DSC	1405319
<b>Mercury</b>	<b>58</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 12:56	DSC	1405308
<b>Nickel</b>	<b>13000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:22	DSC	1405319
<b>Selenium</b>	<b>680</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:11	DSC	1405319
<b>Silver</b>	<b>120</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:11	DSC	1405319
<b>Zinc</b>	<b>53000</b>	4600	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:46	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber** Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411 Description: G140411  
Client Sample ID: **CTR-14-05-D-8 (15') (I)** Sampled: 5/30/14 13:40  
Lab Sample ID: **1406010-09** Sampled By: MJI, APS  
Matrix: Sediment Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	39	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-8 (15') (D)</b>	Sampled:	5/30/14 13:40
Lab Sample ID:	<b>1406010-10</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	40		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Aluminum</b>	<b>8000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:52	KLV	1405317
<b>Arsenic</b>	<b>4200</b>	94	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:15	DSC	1405319
<b>Barium</b>	<b>99000</b>	24000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:26	DSC	1405319
<b>Cadmium</b>	<b>320</b>	190	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:15	DSC	1405319
<b>Chromium</b>	<b>15000</b>	9400	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:29	DSC	1405319
<b>Copper</b>	<b>14000</b>	4700	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:29	DSC	1405319
<b>Iron</b>	<b>14000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:52	KLV	1405317
<b>Lead</b>	<b>11000</b>	4700	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:29	DSC	1405319
<b>Magnesium</b>	<b>15000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:52	KLV	1405317
<b>Manganese</b>	<b>530000</b>	94000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:52	DSC	1405319
Mercury	<50	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:02	DSC	1405308
<b>Nickel</b>	<b>11000</b>	4700	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:29	DSC	1405319
<b>Selenium</b>	<b>630</b>	190	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:15	DSC	1405319
<b>Silver</b>	<b>110</b>	94	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:15	DSC	1405319
<b>Zinc</b>	<b>51000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:52	KLV	1405317



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-8 (15') (D)</b>	Sampled:	5/30/14 13:40
Lab Sample ID:	<b>1406010-10</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	40	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-9 (15.5') (I)</b>	Sampled:	5/30/14 14:00
Lab Sample ID:	<b>1406010-11</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	39		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>7700000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:59	KLV	1405317
Arsenic	<b>4500</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:19	DSC	1405319
Barium	<b>93000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:32	DSC	1405319
Cadmium	<b>330</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:19	DSC	1405319
Chromium	<b>15000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:35	DSC	1405319
Copper	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:35	DSC	1405319
Iron	<b>14000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:59	KLV	1405317
Lead	<b>12000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:35	DSC	1405319
Magnesium	<b>14000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:59	KLV	1405317
Manganese	<b>550000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:55	DSC	1405319
Mercury	<50	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:07	DSC	1405308
Nickel	<b>12000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:35	DSC	1405319
Selenium	<b>670</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:19	DSC	1405319
Silver	<b>110</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:19	DSC	1405319
Zinc	<b>51000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 10:59	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-9 (15.5') (I)**      Sampled: 5/30/14 14:00  
Lab Sample ID: **1406010-11**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	39	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-10 (15') (I)</b>	Sampled:	5/30/14 14:15
Lab Sample ID:	<b>1406010-12</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	35		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>1000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:05	KLV	1405317
Arsenic	<b>7100</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:23	DSC	1405319
Barium	<b>130000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:39	DSC	1405319
Cadmium	<b>460</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:23	DSC	1405319
Chromium	<b>18000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:42	DSC	1405319
Copper	<b>20000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:42	DSC	1405319
Iron	<b>1800000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:05	KLV	1405317
Lead	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:42	DSC	1405319
Magnesium	<b>1700000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:05	KLV	1405317
Manganese	<b>890000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 11:58	DSC	1405319
Mercury	<b>66</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:30	DSC	1405308
Nickel	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:42	DSC	1405319
Selenium	<b>850</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:23	DSC	1405319
Silver	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:23	DSC	1405319
Zinc	<b>66000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:05	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn; Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-10 (15') (I)**      Sampled: 5/30/14 14:15  
Lab Sample ID: **1406010-12**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	35	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-11 (15') (I)</b>	Sampled:	5/30/14 14:30
Lab Sample ID:	<b>1406010-13</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	36		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>10000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:12	KLV	1405317
Arsenic	<b>5900</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:27	DSC	1405319
Barium	<b>120000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 10:47	DSC	1405319
Cadmium	<b>410</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:27	DSC	1405319
Chromium	<b>18000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:57	DSC	1405319
Copper	<b>18000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:57	DSC	1405319
Iron	<b>17000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:12	KLV	1405317
Lead	<b>14000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:57	DSC	1405319
Magnesium	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:12	KLV	1405317
Manganese	<b>750000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 12:01	DSC	1405319
Mercury	<b>60</b>	46	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:35	DSC	1405308
Nickel	<b>15000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 10:57	DSC	1405319
Selenium	<b>760</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:27	DSC	1405319
Silver	<b>140</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:27	DSC	1405319
Zinc	<b>62000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:12	KLV	1405317



### ANALYTICAL REPORT

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn;Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-11 (15') (I)**      Sampled: 5/30/14 14:30  
Lab Sample ID: **1406010-13**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

#### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	36	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-12 (15') (I)</b>	Sampled:	5/30/14 14:45
Lab Sample ID:	<b>1406010-14</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	38		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>9800000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:18	KLV	1405317
Arsenic	<b>5500</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:31	DSC	1405319
Barium	<b>110000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 11:00	DSC	1405319
Cadmium	<b>400</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:31	DSC	1405319
Chromium	<b>17000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:03	DSC	1405319
Copper	<b>18000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:03	DSC	1405319
Iron	<b>17000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:18	KLV	1405317
Lead	<b>14000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:03	DSC	1405319
Magnesium	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:18	KLV	1405317
Manganese	<b>670000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 12:05	DSC	1405319
Mercury	<b>71</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:41	DSC	1405308
Nickel	<b>14000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:03	DSC	1405319
Selenium	<b>710</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:31	DSC	1405319
Silver	<b>130</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:31	DSC	1405319
Zinc	<b>65000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:18	KLV	1405317



**ANALYTICAL REPORT**

Client: **Fishbeck, Thompson, Carr & Huber**      Work Order: **1406010**  
Project: Cascade Twn; Thornapple River; G140411      Description: G140411  
Client Sample ID: **CTR-14-05-D-12 (15') (I)**      Sampled: 5/30/14 14:45  
Lab Sample ID: **1406010-14**      Sampled By: MJI, APS  
Matrix: Sediment      Received: 6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	38	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-13 (15') (I)</b>	Sampled:	5/30/14 15:05
Lab Sample ID:	<b>1406010-15</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	38		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>8500000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:24	KLV	1405317
Arsenic	<b>5400</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:35	DSC	1405319
Barium	<b>100000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 11:07	DSC	1405319
Cadmium	<b>350</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:35	DSC	1405319
Chromium	<b>15000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:10	DSC	1405319
Copper	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:10	DSC	1405319
Iron	<b>15000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:24	KLV	1405317
Lead	<b>12000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:10	DSC	1405319
Magnesium	<b>15000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:24	KLV	1405317
Manganese	<b>640000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 12:18	DSC	1405319
Mercury	<b>56</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:46	DSC	1405308
Nickel	<b>13000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:10	DSC	1405319
Selenium	<b>670</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:35	DSC	1405319
Silver	<b>110</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:35	DSC	1405319
Zinc	<b>55000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:24	KLV	1405317



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn;Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-13 (15') (I)</b>	Sampled:	5/30/14 15:05
Lab Sample ID:	<b>1406010-15</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	38	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-14 (14.5') (I)</b>	Sampled:	5/30/14 15:25
Lab Sample ID:	<b>1406010-16</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26
Percent Solids:	36		

**Total Metals by EPA 6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Aluminum	<b>11000000</b>	10000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:31	KLV	1405317
Arsenic	<b>6100</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:39	DSC	1405319
Barium	<b>140000</b>	25000	ug/kg dry wt.	25	USEPA-6020A	06/06/14 11:13	DSC	1405319
Cadmium	<b>430</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:39	DSC	1405319
Chromium	<b>20000</b>	10000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:16	DSC	1405319
Copper	<b>22000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:16	DSC	1405319
Iron	<b>19000000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:31	KLV	1405317
Lead	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:16	DSC	1405319
Magnesium	<b>16000000</b>	50000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:31	KLV	1405317
Manganese	<b>780000</b>	100000	ug/kg dry wt.	100	USEPA-6020A	06/06/14 12:22	DSC	1405319
Mercury	<b>69</b>	50	ug/kg dry wt.	1	USEPA-7471B	06/03/14 13:52	DSC	1405308
Nickel	<b>16000</b>	5000	ug/kg dry wt.	5	USEPA-6020A	06/06/14 11:16	DSC	1405319
Selenium	<b>880</b>	200	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:39	DSC	1405319
Silver	<b>130</b>	100	ug/kg dry wt.	1	USEPA-6020A	06/05/14 13:39	DSC	1405319
Zinc	<b>67000</b>	5000	ug/kg dry wt.	1	USEPA-6010C	06/05/14 11:31	KLV	1405317

**ANALYTICAL REPORT**

Client:	<b>Fishbeck, Thompson, Carr &amp; Huber</b>	Work Order:	<b>1406010</b>
Project:	Cascade Twn; Thornapple River; G140411	Description:	G140411
Client Sample ID:	<b>CTR-14-05-D-14 (14.5') (I)</b>	Sampled:	5/30/14 15:25
Lab Sample ID:	<b>1406010-16</b>	Sampled By:	MJI, APS
Matrix:	Sediment	Received:	6/2/14 12:26

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	36	0.1	%	1	USEPA-3550C	06/03/14 09:00	KLA	1405284



## QUALITY CONTROL REPORT

### Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
<b>Analyte: Aluminum/USEPA-6010C</b>										
QC Batch: 1405317 (3050B Digestion)						Analyzed: 06/05/2014				By: KLV
Method Blank			<10000	ug/kg dry wt.					10000	
Laboratory Control Sample		125000	<b>123000</b>	ug/kg dry wt.	99	80-120			10000	
<b>Analyte: Arsenic/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<100	ug/kg dry wt.					100	
Laboratory Control Sample		4000	<b>3950</b>	ug/kg dry wt.	99	80-120			100	
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>										
Matrix Spike	5570	3890	<b>10000</b>	ug/kg dry wt.	114	75-125			500	
Matrix Spike Duplicate	5570	3800	<b>9580</b>	ug/kg dry wt.	105	75-125	4	20	500	
<b>Analyte: Barium/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<1000	ug/kg dry wt.					1000	
Laboratory Control Sample		4000	<b>3900</b>	ug/kg dry wt.	97	80-120			1000	
<b>Analyte: Cadmium/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<200	ug/kg dry wt.					200	
Laboratory Control Sample		4000	<b>3960</b>	ug/kg dry wt.	99	80-120			200	
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>										
Matrix Spike	386	3890	<b>4540</b>	ug/kg dry wt.	107	75-125			200	
Matrix Spike Duplicate	386	3800	<b>4390</b>	ug/kg dry wt.	105	75-125	4	20	200	
<b>Analyte: Chromium/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<2000	ug/kg dry wt.					2000	
Laboratory Control Sample		4000	<b>4090</b>	ug/kg dry wt.	102	80-120			2000	
<b>Analyte: Copper/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<1000	ug/kg dry wt.					1000	

Continued on next page

**QUALITY CONTROL REPORT**

**Total Metals by EPA 6000/7000 Series Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
<b>Analyte: Copper/USEPA-6020A (Continued)</b>									
QC Batch: 1405319 (Continued) (3050B Digestion)						Analyzed: 06/05/2014 By: DSC			
Laboratory Control Sample		4000	<b>4180</b>	ug/kg dry wt.	105	80-120			1000
<b>Analyte: Iron/USEPA-6010C</b>									
QC Batch: 1405317 (3050B Digestion)						Analyzed: 06/05/2014 By: KLV			
Method Blank			<5000	ug/kg dry wt.					5000
Laboratory Control Sample		25000	<b>27000</b>	ug/kg dry wt.	108	80-120			5000
<b>Analyte: Lead/USEPA-6020A</b>									
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014 By: DSC			
Method Blank			<1000	ug/kg dry wt.					1000
Laboratory Control Sample		4000	<b>4090</b>	ug/kg dry wt.	102	80-120			1000
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>									
Matrix Spike	12900	3890	<b>17700</b>	ug/kg dry wt.	123	75-125			5000
Matrix Spike Duplicate	12900	3800	<b>17400</b>	ug/kg dry wt.	118	75-125	2	20	5000
<b>Analyte: Magnesium/USEPA-6010C</b>									
QC Batch: 1405317 (3050B Digestion)						Analyzed: 06/05/2014 By: KLV			
Method Blank			<50000	ug/kg dry wt.					50000
Laboratory Control Sample		1250000	<b>1270000</b>	ug/kg dry wt.	102	80-120			50000
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>									
Matrix Spike	14900000	1210000	<b>16400000</b>	ug/kg dry wt.	125	75-125			50000
Matrix Spike Duplicate	14900000	1240000	<b>16300000</b>	ug/kg dry wt.	121	75-125	0.1	20	50000
<b>Analyte: Manganese/USEPA-6020A</b>									
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014 By: DSC			
Method Blank			<1000	ug/kg dry wt.					1000
Laboratory Control Sample		4000	<b>4050</b>	ug/kg dry wt.	101	80-120			1000
<b>Analyte: Mercury/USEPA-7471B</b>									
QC Batch: 1405308 (7471A Mercury Digestion)						Analyzed: 06/03/2014 By: DSC			
Method Blank			<50	ug/kg dry wt.					50

Continued on next page

### QUALITY CONTROL REPORT

#### Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
<b>Analyte: Mercury/USEPA-7471B (Continued)</b>										
QC Batch: 1405308 (Continued) (7471A Mercury Digestion)						Analyzed: 06/03/2014				By: DSC
Laboratory Control Sample		328	<b>328</b>	ug/kg dry wt.	100	80-120			50	
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>										
Matrix Spike	60.3	312	<b>387</b>	ug/kg dry wt.	105	80-120			47	
Matrix Spike Duplicate	60.3	306	<b>380</b>	ug/kg dry wt.	104	80-120	2	20	46	
<b>Analyte: Nickel/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<1000	ug/kg dry wt.					1000	
Laboratory Control Sample		4000	<b>4320</b>	ug/kg dry wt.	108	80-120			1000	
<b>Analyte: Selenium/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<200	ug/kg dry wt.					200	
Laboratory Control Sample		4000	<b>3890</b>	ug/kg dry wt.	97	80-120			200	
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>										
Matrix Spike	676	3890	<b>4250</b>	ug/kg dry wt.	92	75-125			200	
Matrix Spike Duplicate	676	3800	<b>4010</b>	ug/kg dry wt.	88	75-125	6	20	200	
<b>Analyte: Silver/USEPA-6020A</b>										
QC Batch: 1405319 (3050B Digestion)						Analyzed: 06/05/2014				By: DSC
Method Blank			<100	ug/kg dry wt.					100	
Laboratory Control Sample		4000	<b>4030</b>	ug/kg dry wt.	101	80-120			100	
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>										
Matrix Spike	137	3890	<b>3750</b>	ug/kg dry wt.	93	75-125			100	
Matrix Spike Duplicate	137	3800	<b>3620</b>	ug/kg dry wt.	92	75-125	3	20	100	
<b>Analyte: Zinc/USEPA-6010C</b>										
QC Batch: 1405317 (3050B Digestion)						Analyzed: 06/05/2014				By: KLV
Method Blank			<5000	ug/kg dry wt.					5000	

Continued on next page



**QUALITY CONTROL REPORT**

**Total Metals by EPA 6000/7000 Series Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
<b>Analyte: Zinc/USEPA-6010C (Continued)</b>									
QC Batch: 1405317 (Continued) (3050B Digestion)						Analyzed: 06/05/2014 By: KLV			
Laboratory Control Sample		25000	<b>26900</b>	ug/kg dry wt.	107	80-120			5000
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>									
Matrix Spike	61100	24100	<b>82700</b>	ug/kg dry wt.	90	75-125			5000
Matrix Spike Duplicate	61100	24700	<b>72300</b>	ug/kg dry wt.	<b>45</b>	75-125	13	20	5000

**QUALITY CONTROL REPORT**

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Percent Solids/USEPA-3550C**

QC Batch: 1405284 (General Inorganic Prep)						Analyzed: 06/03/2014 By: KLA			
Method Blank			<0.1	%					0.1
<b>1406010-01 [CTR-14-05-D-1 (15') (I)]</b>									
Duplicate	35		<b>34</b>	%		5	5		0.1
<b>1406010-10 [CTR-14-05-D-8 (15') (D)]</b>									
Duplicate	40		<b>41</b>	%		0.4	5		0.1



# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: <u>Fitch</u>	Work Order #: <u>1406010</u>
Receipt Record Page/Line #: <u>33.2</u>	New / Add To: <input type="checkbox"/> Project Chemist: <input type="checkbox"/> Sample #: <input type="checkbox"/>

Recorded by (initials/date): <u>WR 6.2.14</u>	Cooler <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/>	Qty Received: <u>1</u>	Thermometer Used: <input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (# <u>    </u> ) <input type="checkbox"/> See Additional Cooler Information Form
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Cooler # <u>Fitch</u>	Time <u>1358</u>	
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Type: <input checked="" type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		
Coolant Location: <u>Top</u> / Middle / Bottom		
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No		
If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		
Observed °C	Correction Factor °C	Actual °C
Temp Blank:		
Sample 1: <u>5.0</u>	<u>-</u>	<u>5.0</u>
Sample 2: <u>5.7</u>	<u>-</u>	<u>5.7</u>
Sample 3: <u>4.8</u>	<u>-</u>	<u>4.8</u>
3 Sample Average °C: <u>5.2</u>		
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		

Cooler #	Time	
Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		
Coolant Location: Dispersed / Top / Middle / Bottom		
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No		
If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		
Observed °C	Correction Factor °C	Actual °C
Temp Blank:		
Sample 1:		
Sample 2:		
Sample 3:		
3 Sample Average °C:		
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		

Cooler #	Time	
Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		
Coolant Location: Dispersed / Top / Middle / Bottom		
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No		
If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		
Observed °C	Correction Factor °C	Actual °C
Temp Blank:		
Sample 1:		
Sample 2:		
Sample 3:		
3 Sample Average °C:		
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		

Cooler #	Time	
Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		
Coolant Location: Dispersed / Top / Middle / Bottom		
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No		
If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		
Observed °C	Correction Factor °C	Actual °C
Temp Blank:		
Sample 1:		
Sample 2:		
Sample 3:		
3 Sample Average °C:		
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		

**If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form**

### Paperwork Received

Yes	No	<input checked="" type="checkbox"/> Chain of Custody record(s)? If No, Initiated By: _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Received for Lab Signed/Date/Time?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Shipping document?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other

### COC Information

TriMatrix COC  Other Fitch

COC ID Numbers: 036941

### Check COC for Accuracy

Yes	No	<input checked="" type="checkbox"/> Analysis Requested?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Sample ID matches COC?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Sample Date and Time matches COC?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Container type completed on COC?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> All container types indicated are received?

### Sample Condition Summary

N/A	Yes	No	<input checked="" type="checkbox"/> Broken containers/lids?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Missing or incomplete labels?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Illegible information on labels?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Low volume received?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Inappropriate or non-TriMatrix containers received?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> VOC vials / TOX containers have headspace?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Extra sample locations / containers not listed on COC?

### Check Sample Preservation

N/A	Yes	No	<input checked="" type="checkbox"/> Temperature Blank OR average sample temperature: ≥6° C?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> If either is ≥5° C, was thermal preservation required?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes", Project Chemist Approval Initials: _____
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "Yes" Completed Non Con Cooler - Cont Inventory Form?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Completed Sample Preservation Verification Form?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Samples chemically preserved correctly?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "No", added orange tag?
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Received pre-preserved VOC soils?
			<input type="checkbox"/> MeOH <input type="checkbox"/> Na <sub>2</sub> SO <sub>4</sub>

### Check for Short Hold-Time Prep/Analyses

<input type="checkbox"/> Bacteriological	<b>AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)</b> <input checked="" type="checkbox"/> NONE RECEIVED <input type="checkbox"/> RECEIVED, COCs TO LAB(S)
<input type="checkbox"/> Air Bags	
<input type="checkbox"/> EnCores / Methanol Pre-Preserved	
<input type="checkbox"/> Formaldehyde/Aldehyde	
<input type="checkbox"/> Green-tagged containers	
<input type="checkbox"/> Yellow/White-tagged 1 L. ambers (SV Prep-Lab)	

### Notes

<input type="checkbox"/> Trip Blank received	<input type="checkbox"/> Trip Blank not listed on COC
Cooler Received (Date/Time): <u>6.2.14 1226</u>	Paperwork Delivered (Date/Time): <u>6.2.14 1400</u>
s1 Hour Goal Met? Yes / <input checked="" type="checkbox"/> No	



# CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

**Date:** May 8, 2019  
**To:** Cascade Charter Township Board  
**From:** Supervisor Rob Beahan  
**Subject:** Appointments to Various Boards and Commissions

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I ask that the Township Board confirm the following appointments to the Boards and Commissions of Cascade Charter Township:

## Centennial Park Review Board

<u>Name</u>	<u>Term</u>
Michael Reese	At Township Supervisor Discretion

Mr. Reese is the Director of Landscape Architecture for the Troyer Group

Zoning Ordinance. Where any requirement, procedure, or standard of the CPOZD differs from or conflicts with any requirement, procedure, or standard of the underlying zone district or other portion of the Zoning Ordinance, the stricter requirement, procedure, or standard shall govern. See also, however, Section IX.

The PUD #88 plan shall be considered approved as adopted by the Township board on 10/22/08 and provided that the plan does not expire or is altered in any way from the original approval shall not require approval through the CPOZD.

### SECTION III. DEVELOPMENT APPROVAL PROCEDURE.

It shall be unlawful for any person, firm or corporation to begin the construction of any building or other structure or to begin the alteration, expansion, or moving of any building or structure within the CPOZD without first receiving site plan approval from the Centennial Park Review Board and the Township Planning Commission as provided in this Section.

A. Composition of the Centennial Park Review Board – All new construction, expansion, alteration, or moving of buildings and structures shall be reviewed by a five (5) member Centennial Park Review Board. The Centennial Park Business Association shall nominate three (3) members, with two (2) being officers of that association or their delegates, who all must be approved by the Township Board. The two (2) remaining members shall be representatives of Cascade Charter Township appointed by the Township Supervisor and approved by the Township Board. One (1) member of the Review Board shall be a professional with a background in architecture, engineering, landscape architecture and/or urban planning. A simple majority of the membership of the Centennial Park Review Board (the “Review Board”) shall constitute a quorum. An affirmative vote of the majority of the Review Board members present at a meeting with

a quorum shall constitute the Review Board's approval, approval with modifications, or rejection of a site plan, depending on the vote.

B. Responsibilities of the Review Board – The Review Board shall receive all site plans for all new construction, alteration, or moving of buildings and structures within the CPOZD. It shall review all site plans for all development within the CPOZD to insure compliance with the Architectural Controls as prescribed in Section VII hereof. Additionally, the Review Board shall also review all site plans for compliance with the Design Standards as set forth in Section VI hereof.

The Review Board's review and findings with regard to the Design Standards and Architectural Control are subject to final review and approval or denial by the Planning Commission. The Review Board can only grant tentative approval of a site plan. The Planning Commission shall have the sole authority to grant final site plan approval or denial. No site plan can be forwarded to the Planning Commission prior to review and recommendation by the Review Board.

Review by both the Review Board and the Planning Commission (and final approval or denial by the Planning Commission) shall be based upon the following considerations:

1. Conformity and harmony and intent of design with the Centennial Park Land Use and Design Plan, as approved on August 27, 2008 by the Township Board.
2. Conformity of the plans and specifications with the development requirements as well as the purpose and intent of the CPOZD.

The Review Board shall endeavor to review every submitted site plan within a reasonable time period after its submittal and no later than 30 days after application is made to the Township. The Review Board, however, can require additional information or

modifications as it may deem necessary prior to recommending to the Planning Commission approval or rejection of the plan and related specifications. Once the Review Board has reviewed a proposed site plan, it shall transmit its findings and recommendations to the Planning Commission. The transmittal shall include the recommendation of the Review Board, its rationale and the minutes of all meetings at which the site plan was discussed before the Review Board.

- C. Planning Commission Responsibilities – Following review and approval of a site plan by the Review Board, the Chairman of the Review Board (or his or her authorized representative) shall present it to the Planning Commission for final review and approval or denial. Review and approval or denial of the site plan by the Planning Commission shall be based upon this Section and the Design Standards set forth herein. The Planning Commission has the authority to approve, approve with modifications, refer back to the Review Board for additional study, or deny site plan approval based upon its own findings of fact.
- D. Limitation – Nothing herein shall require submission to or approval of the Review Board or Planning Commission for plans relating to normal maintenance or alterations to the interior of any structure. When such activities are contemplated, the Township Building Inspector shall be contacted, as a building permit may be required.
- E. Appeals to the Zoning Board of Appeals – No decision by the Planning Commission shall be appealable to the Zoning Board of Appeals. However, the Planning Commission may authorize, at its discretion, an appeal to the Zoning Board of Appeals for a variance from one or more requirements of the CPOZD.