

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING**

Tuesday, August 14, 2018
7:00 PM



CALL TO ORDER at _____ **P.M.**

A. ROLL CALL: Kurt Heise_____, Mark Clinton_____, Chuck Curmi _____,
Bob Doroshewitz ____, Jerry Vorva ____, Jack Dempsey_____,
Gary Heitman _____

B. PLEDGE OF ALLEGIANCE

C. APPROVAL OF AGENDA
Tuesday, August 14, 2018

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:
Regular Meeting – Tuesday, July 24, 2018

D.2 Acceptance of Communications, Resolutions, Reports:
Building Department Monthly Report – July, 2018
Fire Department Monthly Report – July, 2018
Police Department Monthly Report – July, 2018
Planning Department Monthly Report – July, 2018
FOIA Activity – Clerk’s Office – July, 2018
FOIA Activity – Police Department – July, 2018

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	330,146.16	212,094.69	542,240.85
Solid Waste Fund	226	2,540.84	105,039.66	107,580.50
Improvement Revolving (Capital)	246	.00	.00	.00
Drug Forfeiture Fund	265	.00	.00	.00
Drug Forfeiture State	266	.00	.00	.00

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING**

Tuesday, August 14, 2018
7:00 PM



Drug Forfeiture IRS	267	.00	472.05	472.05
Golf Course Fund	510	3665.60	4908.98	8574.58
Senior Transportation	588	3590.92	5149.08	8740.00
Water/Sewer Fund	592	55,593.31	448,320.79	503,914.10
Trust and Agency	701	28,956.76	.00	28,956.76
Police Bond Fund	702	9393.91	.00	9393.91
Tax Pool	703	45.78	.00	45.78
Special Assessment Capital	805	(12.67)	552.50	539.83
TOTALS:		\$433,920.61	\$776,537.75	\$1,210,458.36

E. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 minutes)

F. NEW BUSINESS

1. WTUA Budget Review and Approval, **Resolution #2018- 08-14-59**, Aaron Sprague, WTUA
2. One Time, Special Event Liquor License Approval, Friendship Station, **Resolution #2018-08-14-60**, Clerk Jerry Vorva
3. Manhole Replacement Project Update – Director Patrick Fellrath and Reps. from Wade-Trim
4. Water and Sewer Fee Adjustments, **Resolution #2018-08-14-61**, Director Patrick Fellrath, Finance Director Cindy Kushner and Administrative Assistant to the Building Department Cheri Palmarchuk
5. Oerlikon-Metco—Storm Drain Agreement, **Resolution #2018-08-14-62**, David Richmond, PE, Township Engineer

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING**

Tuesday, August 14, 2018
7:00 PM



- G. SUPERVISOR AND TRUSTEE COMMENTS**
- H. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes)**
- I. ADJOURNMENT**

PLEASE TAKE NOTE: The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at all Township Meetings, to individuals with disabilities at the Meetings/Hearings upon two weeks notice to the Charter Township of Plymouth by writing or calling the following: Human Resource Office, 9955 N Haggerty Road, Plymouth, MI 48170. Phone number (734) 354-3202 TDD units: 1-800-649-3777 (Michigan Relay Services)

**The Public Is Invited and Encouraged To Attend All Meetings of
the Board of Trustees of the Charter Township of Plymouth.**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**CALL TO ORDER
AUGUST 14, 2018**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM A
ROLL CALL
AUGUST 14, 2018**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM B
PLEDGE OF ALLEGIANCE
AUGUST 14, 2018**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM C
APPROVAL OF AGENDA
AUGUST 14, 2018**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM D.1
APPROVAL OF MINUTES
JULY 24, 2018 MEETING**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, JULY 24, 2018**

PROPOSED MINUTES

Supervisor Heise called the meeting to order at 7:00 p.m.

MEMBERS PRESENT: Kurt Heise, Supervisor
Mark Clinton, Treasurer
Charles Curmi, Trustee
Jack Dempsey, Trustee
Gary Heitman, Trustee
Jerry Vorva, Clerk

MEMBERS ABSENT: Robert Doroshewitz, Trustee, Excused

OTHERS PRESENT: Patrick Fellrath, Director of Public Service
Dan Phillips, Fire Chief
Thomas Tiderington, Police Chief
Dan Kudra, Police Lieutenant
Kevin Bennett, Township Attorney
David Richmond, Spalding DeDecker
Laura Haw, AICP, Planning Consultant
Cindy Kushner, Finance Director
Sue Brams, Executive Assistant to the Supervisor
Cheri Palmarchuk, Building Department Office Manager
Alice Geletzke, Recording Secretary
22 Members of the Public

B. PLEDGE OF ALLEGIANCE – Katlin Nicely, new Township Police Officer

C. APPROVAL OF AGENDA
Tuesday, July 24, 2018

Moved by Clerk Vorva and seconded by Trustee Heitman to approve the agenda for the Board of Trustees regular meeting of July 24, 2018. Ayes all.

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:
Special Meeting – Tuesday, July 17, 2018
Revised Minutes – June 26, 2018

D.2 Acceptance of Communications, Resolutions, Reports:
Building Department Monthly Report – June, 2018

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, JULY 24, 2018**

PROPOSED MINUTES

Fire Department Monthly Report – June, 2018
Police Department Monthly Report – June, 2018
Planning Department Monthly Report – May and June, 2018
FOIA Activity – Clerk’s Office – June, 2018
FOIA Activity – Police Department – June, 2018

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$533,430.88	101,211.39	\$634,642.27
Solid Waste Fund	226	4,205.71	.00	4,205.71
Improvement Revolving (Capital)	246	.00	.00	.00
Drug Forfeiture Fund	265	4,301.03	.00	4,301.03
Drug Forfeiture State	266	.00	.00	.00
Drug Forfeiture IRS	267	.00	472.05	472.05
Golf Course Fund	510	129.45	4,606.83	4,736.28
Senior Transportation	588	3,893.46	239.59	4,133.05
Water/Sewer Fund	592	249,044.52	81,504.92	330,549.44
Trust and Agency	701	139,262.48	172.50	139,434.98
Police Bond Fund	702	5,367.00	.00	5,367.00
Tax Pool	703	.00	.00	.00
Special Assessment Capital	805	36.82	5,841.25	5,878.07
TOTALS:		\$939,671.35	\$194,048.53	\$1,133,719.88

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, JULY 24, 2018**

PROPOSED MINUTES

Trustee Heitman had a correction on Page 3 of the minutes of Tuesday, July 17, 2018. He had voted no for the changes in the solid waste fees, Item 2.

Moved by Clerk Vorva and seconded by Trustee Dempsey to approve the consent agenda for the Board of Trustees regular meeting of July 24, 2018. Ayes all.

E. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 minutes) – There were none.

Copies of resolutions and attachments referred to below are available in the Clerk's office for public perusal.

F. NEW BUSINESS

1. "The Woods", Cluster Housing Option, Final Approval, **Resolution #2018-07-24-54**

Laura Haw, Planning Director, reviewed the Planning Commission recommendation for the Cluster Housing Option on the five-acre, vacant and heavily wooded site at 45980 Ann Arbor Road. It is to include nine custom single-family detached homes, with preservation of trees and open space.

Walt Menard, applicant, addressed the Board and answered questions.

Moved by Trustee Curmi and seconded by Trustee Dempsey to approve **Resolution #2018-07-24-54** for The Woods, Cluster Housing Agreement, Final Development Approval, contingent on the Planning Commission's condition that the Final Stamp Plans will address all outstanding items as listed in the Planner's and Engineer's reports (excluding any additional site lighting) and that all permits from all outside approving agencies are issued; and that on Page 21 of the Covenants, Item O, the word "Association" be added after "Developer." Ayes all on a roll call vote.

2. New Modems for Police Vehicles, **Resolution #2018-07-24-55**, Lieutenant Jon Brothers

Lt. Dan Kudra addressed the Board and answered questions regarding the purchase.

Moved by Trustee Heitman and seconded by Clerk Vorva to approve **Resolution #2018-07-24-55**, authorizing the Plymouth Township Police Department to purchase

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, JULY 24, 2018**

PROPOSED MINUTES

ten Cradlepoint COR IBR900-600M wireless routers for an amount up to \$10,500.00 out of Federal Forfeiture Funds. Ayes all on a roll call vote.

3. Budget Amendments, **Resolution #2018-07-24-56**, Finance Director Kushner and Supervisor Heise

Finance Director Cynthia Kushner reviewed the General Fund adjustment from the previously approved balance of \$3,902,781 to \$3,975,062.

Moved by Treasurer Clinton and seconded by Clerk Vorva to approve **Resolution #2018-07-24-56**, authorizing the Township Clerk to make the amendments to the General Fund balance as enumerated above. Ayes all on a roll call vote.

4. Approval of Storm Water Easement for Oerlikon, **Resolution #2018-07-24-57**, David Richmond, Township Engineer

Moved by Clerk Vorva and seconded by Trustee Heitman to approve **Resolution #2018-07-24-57**, authorizing approval of the Water Main Easement for Oerlikon in accordance with the attached drawings and, further, to authorize the Township Clerk, Township Attorney, and Township Engineer to sign the documents to be forwarded to Wayne County for recording. Ayes all on a roll call vote.

5. Golf Course Request for Proposal Discussion, Supervisor Kurt Heise

Moved by Trustee Heitman and seconded by Trustee Dempsey that the Board of Trustees concur with the recommendation of the Supervisor to issue a Request for Proposal for the management of Hilltop Golf Course. Ayes all.

6. Comprehensive Fee Schedule, Change to Water Tap Charge, **Resolution #2018-07-10-58**, Clerk Vorva, Finance Director Kushner and Administrative Assistant to the Building Department Cheri Palmarchuk

Clerk Vorva, Finance Director Kushner, and Building Department Office Manager Palmarchuk answered questions regarding the proposed water and sewer system fee changes, which will eliminate the Township's subsidizing of the actual costs for these taps.

Moved by Trustee Curmi and seconded by Trustee Heitman to approve **Resolution #2018-07-10-58**, authorizing the adoption of the proposed fees for the Charter

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, JULY 24, 2018**

PROPOSED MINUTES

Township of Plymouth water and sewer system fee schedule; and to make these new fees a part of the Comprehensive Fee Schedule, to become effective immediately.

The Board recessed briefly at 7:49 p.m. and returned to open session at 7:55 p.m.

7. Economic Development Update Presentation – Supervisor Heise, Trustee Heitman and Planning Consultant Haw

Supervisor Heise, Trustee Heitman, and Planner Haw gave a comprehensive presentation covering new investment, significant reinvestment, challenges, and what's next in economic development in the Township.

Board members thanked Trustee Heitman for donating his time making retention and other visits.

Susan Bondie had questions about the Elks property on Ann Arbor Road.

G. SUPERVISOR AND TRUSTEE COMMENTS

Supervisor Heise announced that the next Board meeting will be August 14, and Thursday at 7 p.m. the golf course consultant will be having a public information session and design charrette at the 4-Seasons pavilion in Township Park.

Clerk Vorva indicated that 45% of the 3,620 absentee ballots issued have been returned.

Trustee Curmi asked about having the millage spreadsheet sent to him.

H. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes) – There were none.

I. ADJOURNMENT

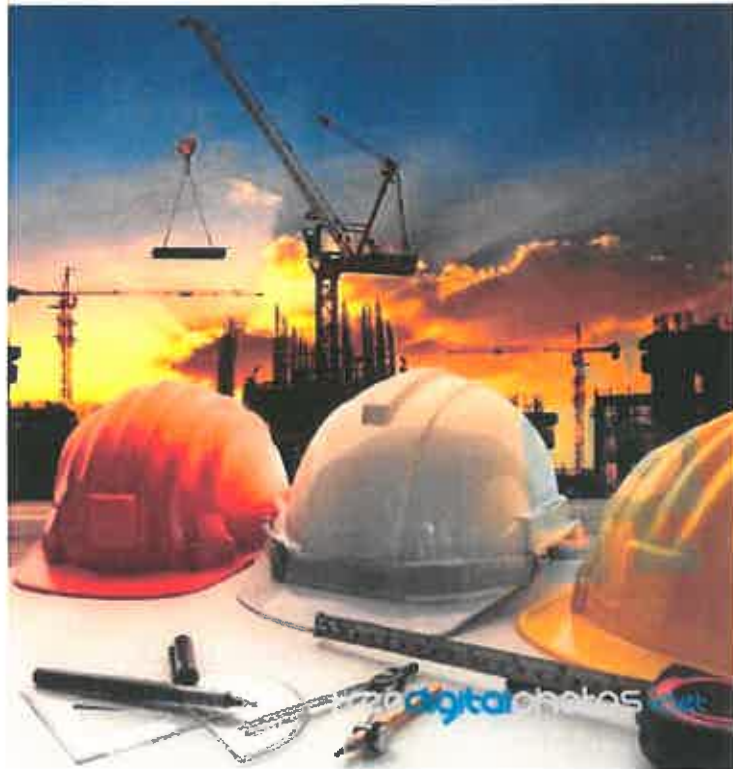
Moved by Trustee Heitman and seconded by Trustee Dempsey to adjourn the meeting at 9:05 p.m. Ayes all.

Jerry Vorva, Township Clerk

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM D.2
ACCEPTANCE OF COMMUNICATIONS,
RESOLUTIONS, REPORTS
AUGUST 14, 2018 MEETING**

CHARTER TOWNSHIP OF PLYMOUTH
DEPARTMENT OF BUILDING & CODE ENFORCEMENT



MONTHLY REPORT

July
2018

New Commerical Building for 2018

Company Name	Property Address	Type of Work	Construction Value	Status	Month
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Total Construction Value

New Commercial Additions/Alterations for 2018

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Rivian	13250 Haggerty RD	Tenant finish	1,500,000	Issued	January
Beets Analysts	45211 Helm	Tenant finish	157,959	Issued	January
Sanctum Sanctorm	15071 Northville RD	Tenant finish	1,500	Issued	January
Distributor Operations	40985 Concept	Interior Remodel	29,240	Issued	January
Shiloh Industries	47832 Halyard	Interior Remodel	22,872	Issued	February
Broasted Brothers	15171 Sheldon	Tenant finish	65,000	Issued	February
Trumpf	47711 Clipper	Remodel	314,000	Issued	February
Mile City Church	41100 Plymouth, B2 #103	Tenant finish	25,000	Issued	February
Northridge	49555 N Territorial	Interior Remodel	80,000	Issued	March
Troy Design	14425 Sheldon	Concrete base	30,000	Issued	March
Verita Telecommunications	47071 Five Mile	Tenant finish	290,000	Issued	March
Auto Park LLC	45749 Helm	Repave parking lot	25,000	Issued	March
Essco Development	1498 Sheldon	Interior demo	2,500	Issued	March
Remedi SeniorCare	14700 Helm	Tenant finish	1,100,000	Issued	March
Cygnet Automated Cleaning	9120 General	Tenant finish	93,278	Issued	April
Materialise	44650 Helm CT	Interior Remodel	135,000	Issued	April
CNC Global	16150 Cleat ST	Addition	950,000	Issued	April
Ziptanz	1496 Sheldon	Tenant finish	10,500	Issued	April
Plymouth 848 LLC	41100 Plymouth, B2 #115	Interior Remodel	75,000	Issued	April
Zech Engineering	41100 Plymouth B2, #116	Tenant finish	25,000	Issued	April
Mobile Gas Station	14888 Northville RD	Awnings	4,275	Issued	April

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Sound Hearing V	9450 S Main	Tenant finish	20,831	Issued	May
Halyard Project LLC	47911 Halyard	Lobby remodel	76,420	Issued	May
A2 Energy Services	41100 Plymouth B2, doors	Interior remodel	25,000	Issued	May
Adient	49200 Halyard	Interior Remodel	5,000,000	Issued	June
First Step	44567 Pinetree	9 entry doors	8,175	Issued	June
Metro Consulting	45345 Five Mile	Interior Remodel	100,000	Issued	June
Jogue	14731 Helm	Exterior remodel	250,000	Issued	June
Hillcrest Apartments	1235 Riseman	12 boiler room doors	14,700	Issued	June
Interstate Batteries	40985 Concept	Interior Remodel	100,000	Issued	June
Shimmy Shack	1440 Sheldon	Tenant finish	65,000	Issued	June
Plymouth Urgent Care Walk In	1498 Sheldon	Tenant finish	25,000	Issued	June
Consolidated PR	49085 Five Mile	Interior Remodel	15,800	Issued	June
Sequiris Group LLC	47911 Halyard #120	Tenant finish	26,000	Issued	July
Optimal CAE	47802 Anchor CT	Generator	1,980	Issued	July
Plymouth Village Senior Care	14707 Northville RD	Dumpster	12,000	Issued	July
Total Construction Value			10,676,830		
Grand Total Construction Value			<u>10,676,830</u>		

Building Department 2018

Classification	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	2018 Totals
Total Building Permits	59	70	90	126	163	136	119						763
Trade Permits													
Electrical	24	24	39	36	45	45	36						249
Mechanical	9	40	41	47	59	74	74						344
Plumbing	17	20	22	22	23	19	20						143
Sewer & Water	0	2	4	5	4	11	4						30
Total Trade Permits	109	186	196	238	294	288	263	0	0	0	0	0	1529
Miscellaneous													
Special Inspections	0	0	2	0	0	0	0						2
Temp Certificate of Occupancy	0	3	2	1	1	2	4						13
Re-Occupancy	12	4	2	2	1	3	4						28
Plan Review	11	8	12	13	12	7	10						73
ZBA	2	1	1	2	5	1	1						13
Re-inspection fees	1	4	1	6	9	2	4						27
Vacant Land Reinspection	2	0	0	0	0	0	0						2
Total Miscellaneous	28	20	20	24	28	18	23	0	0	0	0	0	158
Application Fee's													
Building (starting in December)	30	59	78	115	149	118	108						652
Electrical	24	24	38	67	43	43	36						273
Mechanical	51	38	43	45	80	77	78						392
Plumbing	16	19	26	20	21	20	24						146
License & Registration													
Builders	7	8	15	12	11	16	19						88
Electrical	6	12	13	11	8	11	8						69
Mechanical	7	4	10	6	10	8	6						60
Plumbing	2	1	4	2	4	4	7						24
Total Misc/License/Application	171	185	243	302	334	312	305	0	0	0	0	0	1652
Grand Total	280	341	439	538	628	597	558	0	0	0	0	0	3381
Staffing Levels													
Chief Building Official	1	1	1	1	1	1	1						
Full Time Building Inspector	1	1	1	1	1	1	1						
Full Time Ordinance Officer	1	1	1	1	1	1	1						
Full Time Office Manager	1	1	1	1	1	1	1						

Residential Housing 2018

Single Family Detached

	<u>Total #</u>	<u>Total #</u>	<u>Total</u>	<u>Total</u>
	<u>Buildings</u>	<u>Dwelling</u>	<u>Value</u>	<u>Square</u>
			<u>Construction</u>	<u>Feet</u>
January	1	1	311,076	2,566
February	2	2	574,985	5,266
March	2	2	686,407	3,335
April	1	1	537,472	4,702
May	1	1	331,175	2,400
June	2	2	700,000	6,501
July	1	1	259,196	1,900
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	10	10	\$3,400,311	26,670

Single Family Attached (Townhouses/ Row Houses)

	<u>Total #</u>	<u>Total #</u>	<u>Total</u>	<u>Total</u>
	<u>Buildings</u>	<u>Dwelling</u>	<u>Value</u>	<u>Square</u>
			<u>Construction</u>	<u>Feet</u>
January	0			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	0	0	\$ -	-

Two-Family Buildings (Duplex)

	<u>Total #</u>	<u>Total #</u>	<u>Total</u>	<u>Total</u>
	<u>Buildings</u>	<u>Dwelling</u>	<u>Value</u>	<u>Square</u>
			<u>Construction</u>	<u>Feet</u>
January	0			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	0	0	\$ -	-

Three-or-more Family Building (Apartments/Stacked Condos)

	<u>Total #</u>	<u>Total #</u>	<u>Total</u>	<u>Total</u>
	<u>Buildings</u>	<u>Dwelling</u>	<u>Value</u>	<u>Square</u>
			<u>Construction</u>	<u>Feet</u>
January	0			
February	0			
March	0			
April	0			
May	0			
June	0			
July	0			
August	0			
September	0			
October	0			
November	0			
December	0			
Totals	0	0	\$ -	-

	<u>Total #</u>	<u>Total #</u>	<u>Value</u>	<u>Square</u>
	<u>Buildings</u>	<u>Dwelling</u>	<u>Construction</u>	<u>Feet</u>
Totals all categories	10	10	\$ 3,400,311	26,670



Revenue Breakdown Report

08/02/2018

Filter: All Records, Transaction.DateToPostOn in <Previous month> [07/01/18 - 07/31/18]

Unit Totals		
Unit Name	Records	Revenue
TOTAL	253	75,990.20

Record Type Totals		
Unit	Records	Revenue
Permit	253	75,990.20
UNIT TOTAL:	253	75,990.20

Record Type Breakdowns		
Unit	Records	Revenue
Record Type: Permit		
Building	119	39,585.00
Electrical	36	5,525.00
Mechanical	74	13,963.00
Plumbing	20	3,072.00
Sewer & Water	4	13,845.20
TOTAL:	253	75,990.20

62,145.00

Certificate of Occupancy List

08/02/2018

1/1

CofO Number	Status	Issued To	Address	CofO and Permit Dates	
OF18-0039 Permit Number PB18-0493	ISSUED (FINAL)	Plymouth 848 LLC	41100 PLYMOUTH RD B2 <u>Contractor</u>	CO Date Apply: 07/02/2018 Permit Date Apply: 06/05/2018	CO Date Finaled: 07/02/2018 Permit Date Issued: 7/02/2018
OF18-0040 Permit Number PB18-0395	ISSUED (FINAL)	Johnson Controls Inc	47911 HALYARD #100 <u>Contractor</u> Integrated Acoustical Inc	CO Date Apply: 07/09/2018 Permit Date Apply: 05/15/2018	CO Date Finaled: 07/09/2018 Permit Date Issued: 5/30/2018
OF18-0041 Permit Number PB16-0825	ISSUED (FINAL)	Oerlikon	41144 CONCEPT DR <u>Contractor</u> Kirco Manix Construction	CO Date Apply: 07/11/2018 Permit Date Apply: 09/06/2016	CO Date Finaled: 07/11/2018 Permit Date Issued: 5/05/2017
OF18-0042 Permit Number PB18-0045	ISSUED (FINAL)	HEARTFELT RESIDENTIAL	9270 SHELDON <u>Contractor</u> Barry's Carpentry Service	CO Date Apply: 07/16/2018 Permit Date Apply: 01/26/2018	CO Date Finaled: 07/16/2018 Permit Date Issued: 2/05/2018
OF18-0043 Permit Number PB17-0750	ISSUED (FINAL)	Stile Homes LLC	8823 Northern AVE <u>Contractor</u> Stile Homes LLC	CO Date Apply: 07/18/2018 Permit Date Apply: 08/10/2017	CO Date Finaled: 07/18/2018 Permit Date Issued: 9/07/2017
OF18-0044 Permit Number PB17-0179	ISSUED (FINAL)	MARSHALL II, CHARLES	9259 RIDGE <u>Contractor</u>	CO Date Apply: 07/19/2018 Permit Date Apply: 03/28/2017	CO Date Finaled: 07/19/2018 Permit Date Issued: 4/25/2017
OF18-0045 Permit Number PB18-0062	ISSUED (FINAL)	Verita Telecommunications	47071 Five Mile RD <u>Contractor</u> Lakeshore Contracting Servic	CO Date Apply: 07/19/2018 Permit Date Apply: 02/01/2018	CO Date Finaled: 07/13/2018 Permit Date Issued: 3/12/2018
OF18-0046 Permit Number PB18-0639	ISSUED (FINAL)	BIDIGARE CONTRACTORS	939 MILL Bldg R <u>Contractor</u>	CO Date Apply: 07/24/2018 Permit Date Apply: 07/12/2018	CO Date Finaled: 07/24/2018 Permit Date Issued: 7/24/2018

All Records
Co.DateFinaled Between 7/1/2018 12:00:00 AM AND
7/31/2018 11:59:59 PM AND
Co.Status = ISSUED (FINAL)

Number of CofO's: 8

Certificates of Occupancy and Re-Occupancy
Plymouth Township
July 2018*
WTUA

Address	Business Name	Business	Type of work	Business Forms Given Out	
				Yes	No
939 Mill, Bldg R	Henkels & McLeod	Re-occupancy	Landscaping	X	
47071 5 Mile RD	Verita	Tenant finish	Business office		X
47911 Halyard #100	Johnson Controls	Tenant finish	Business office		X
41100 Plymouth RD, B2 S118	Dales & System	Re-occupancy	Business office	X	

08/02/18

Enforcement List

	Address		Filed	Status	Date Closed
VACANT PROP - RES					
EN09-0444	0 Greystone Blvd	R-78-064-99-0022-701	07/07/09	1st Reg ltr sent	
EN09-0445	0 BECK RD	R-78-040-99-0008-000	07/07/09	1st Reg ltr sent	06/14/11
EN09-0446	0 JOY RD	R-78-061-99-0026-001	07/07/09	Recv'd Registration	
EN09-0448	0 ANN ARBOR RD	R-78-054-99-0015-000	07/07/09	Recv'd Registration	
EN13-0989	0 ANN ARBOR RD	R-78-054-99-0015-000	08/07/13	2nd Notice	03/28/14

Records: 5

Page: 1

08/02/18

Enforcement List

	Address		Filed	Status	Date Closed
VACANT BLD - RES					
EN09-0447	11626 JOY RD	R-78-061-99-0027-001	07/07/09	Violation Issued	06/14/11
EN11-0957	11626 11626 BUTTERNUT	R-78-027-01-0160-002	10/26/11	Recv'd Registration	01/16/14
EN12-0041	11626 8890 NORTHERN	R-78-059-03-0136-000	01/13/12	Recv'd Registration	
EN13-0329	11626 9440 NORTHERN	R-78-059-03-0167-000	03/21/13	Recv'd Registration	
EN13-1405	11626 41451 CRABTREE LN	R-78-017-02-0521-000	11/27/13	Recv'd Registration	
EN15-1307	11626 42405 HAMMILL	R-78-017-03-0048-301	03/31/15	1st Reg ltr sent	
EN15-1309	11626 9400 S MAIN	R-78-061-01-0003-000	03/31/15	2nd Notice	08/01/18

Records: 7

Page: 1

08/02/18

Enforcement List

	Address		Filed	Status	Date Closed
VACANT BLD- COM					
EN09-0434	14556 14556 JIB	R-78-009-03-0096-002	07/07/09	Recv'd Registration	

Records: 1

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Plymouth Township Fire Department

Monthly Report

July 2018

Response Information:

The Plymouth Township Fire Department responded to **271** emergencies this month.

There was an average of **8.74** runs per day this month.

PTFD's average response time was **5 minutes 19 seconds** to the scene. This includes all responses including non-emergent.

Mutual Aid:

Plymouth Township Fire Department is a member of the Western Wayne County Mutual Aid Association and we provided mutual aid **3** times this month and received mutual aid **3** times.

EMS Information:

There were **121** patients transported this month.

HVA transported **96** patients to the hospital.

Plymouth Township Fire transported **25** patients to the hospital.

The remainder of **50** patients were not transported for various reasons.

Plymouth transports billed out **\$21,133.80** this month, received **\$15,482.23** and have **\$53,816.88** in outstanding bills.

Fire Loss:

There were **14** fires this month that accounted for **\$212,900.00** worth of damage to possessions and property. We prevented the destruction of **\$200,900.00** in property.

Fire Prevention:

Plymouth Township Fire Department provided **75** comprehensive fire inspections to businesses within Plymouth Township.

Fire Safety public education classes in CPR, Fire Extinguisher and Fire Safety are provided throughout the year.

This month, the department conducted **5** fire safety talks to a total of **210** participants.

Reports Included:

CLEMIS Reports

Incidents Section

- Incident Summary by Incident type
 - Incident Type
 - Type count
 - Property Loss
 - Property Value

- Mutual Aid by Department
 - Mutual aid Received
 - Mutual Aid Given

Local Section

- Fire Department Response Times
 - Turnout Time
 - Response Time

Health EMS

Agency Productivity

- Agency Activity Summary
 - Patients Transported by HVA
 - Patients Transported by PCFD

Inspection Report

Total count for Public Education – Review Fire Modules Calendar

Incident Type Count Report

Date Range: From 7/1/18 To 7/31/18

Selected Station(s): All



<u>Incident Type</u>	<u>Description</u>	<u>Count</u>	
Station:			
321 - EMS call, excluding vehicle accident with injury		2	.7%
Total - Rescue & Emergency Medical Service Incidents		2	.7%
9 - Special incident type		1	.4%
Total - Special Incident Type		1	.4%
Total for Station		3	1.1%
Station: MA			
321 - EMS call, excluding vehicle accident with injury		2	.7%
Total - Rescue & Emergency Medical Service Incidents		2	.7%
611 - Dispatched & cancelled en route		1	.4%
Total - Good Intent Call		1	.4%
Total for Station		3	1.1%
Station: ST1			
100 - Fire, other		1	.4%
11 - Structure Fire		1	.4%
111 - Building fire		1	.4%
118 - Trash or rubbish fire, contained		2	.7%
150 - Outside rubbish fire, other		1	.4%
162 - Outside equipment fire		1	.4%
Total - Fires		7	2.6%
240 - Explosion (no fire), other		1	.4%
Total - Overpressure Rupture, Explosion, Overheat - no fire		1	.4%
321 - EMS call, excluding vehicle accident with injury		60	22.1%
322 - Vehicle accident with injuries		7	2.6%
Total - Rescue & Emergency Medical Service Incidents		67	24.7%
412 - Gas leak (natural gas or LPG)		1	.4%
444 - Power line down		2	.7%
Total - Hazardous Conditions (No fire)		3	1.1%
550 - Public service assistance, other		1	.4%
553 - Public service		1	.4%
554 - Assist invalid		2	.7%
Total - Service Call		4	1.5%
600 - Good intent call, other		2	.7%

Incident**Type Description****Count**

611 - Dispatched & cancelled en route	3	1.1%
651 - Smoke scare, odor of smoke	1	.4%
Total - Good Intent Call	6	2.2%
700 - False alarm or false call, other	3	1.1%
736 - CO detector activation due to malfunction	1	.4%
740 - Unintentional transmission of alarm, other	3	1.1%
744 - Detector activation, no fire - unintentional	1	.4%
746 - Carbon monoxide detector activation, no CO	1	.4%
Total - False Alarm & False Call	9	3.3%
Total for Station	97	35.8%

Station: ST2

240 - Explosion (no fire), other	1	.4%
Total - Overpressure Rupture, Explosion, Overheat - no fire	1	.4%
321 - EMS call, excluding vehicle accident with injury	35	12.9%
322 - Vehicle accident with injuries	2	.7%
Total - Rescue & Emergency Medical Service Incidents	37	13.7%
444 - Power line down	4	1.5%
445 - Arcing, shorted electrical equipment	1	.4%
Total - Hazardous Conditions (No fire)	5	1.8%
500 - Service Call, other	1	.4%
554 - Assist invalid	2	.7%
Total - Service Call	3	1.1%
611 - Dispatched & cancelled en route	5	1.8%
Total - Good Intent Call	5	1.8%
740 - Unintentional transmission of alarm, other	1	.4%
745 - Alarm system sounded, no fire - unintentional	1	.4%
Total - False Alarm & False Call	2	.7%
9001 - Dispatch Error	1	.4%
Total - Special Incident Type	1	.4%
Total for Station	54	19.9%

Station: ST3

110 - Structure fire, other	1	.4%
118 - Trash or rubbish fire, contained	1	.4%
131 - Passenger vehicle fire	3	1.1%
132 - Road freight or transport vehicle fire	1	.4%
162 - Outside equipment fire	1	.4%
Total - Fires	7	2.6%
251 - Excessive heat, scorch burns with no ignition	1	.4%
Total - Overpressure Rupture, Explosion, Overheat - no fire	1	.4%
321 - EMS call, excluding vehicle accident with injury	72	26.6%
322 - Vehicle accident with injuries	9	3.3%
324 - Motor vehicle accident with no injuries	4	1.5%

Incident

Type Description

Count

Total - Rescue & Emergency Medical Service Incidents		85	31.4%
411 - Gasoline or other flammable liquid spill		1	.4%
412 - Gas leak (natural gas or LPG)		3	1.1%
444 - Power line down		1	.4%
Total - Hazardous Conditions (No fire)		5	1.8%
554 - Assist invalid		2	.7%
Total - Service Call		2	.7%
611 - Dispatched & cancelled en route		4	1.5%
Total - Good Intent Call		4	1.5%
700 - False alarm or false call, other		4	1.5%
733 - Smoke detector activation due to malfunction		1	.4%
735 - Alarm system sounded due to malfunction		3	1.1%
744 - Detector activation, no fire - unintentional		1	.4%
745 - Alarm system sounded, no fire - unintentional		1	.4%
Total - False Alarm & False Call		10	3.7%
Total for Station		114	42.1%
		271	100.0%

Municipal Response Times Report

For Dates Beginning 7/1/18 Ending 7/31/18
 Incident Types selected for analysis: All
 For All Priority Types



Time in Minutes	Alarm to Dispatch				Dispatch to Enroute				Enroute to Arrival				Alarm to Arrival				Dispatch to Arrival			
	Alarm to Dispatch	Percent Total	Cumulative Responses	Cumulative Percent	Dispatch to Enroute	Percent Total	Cumulative Responses	Cumulative Percent	Enroute to Arrival	Percent Total	Cumulative Responses	Cumulative Percent	Alarm to Arrival	Percent Total	Cumulative Responses	Cumulative Percent	Dispatch to Arrival	Percent Total	Cumulative Responses	Cumulative Percent
0 - 1	153	57.52	153	57.52	86	33.20	86	33.20	26	10.40	26	10.40	4	1.56	4	1.56	8	3.13	8	3.13
1 - 2	11	36.84	251	94.36	115	44.40	201	77.61	25	10.00	51.00	20.40	10	3.91	14.00	5.47	15	5.86	23	8.98
2 - 3	10	3.76	261	98.12	34	13.13	235	90.73	44	17.60	95.00	38.00	12	4.69	26.00	10.16	14	5.47	37	14.45
3 - 4	3	1.13	264	99.25	11	4.25	246	94.98	52	20.80	147.00	58.80	17	6.64	43.00	16.80	40	15.63	77	30.08
4 - 5	0	0.00	264	99.25	1	3.09	254	98.07	46	18.40	193.00	77.20	33	12.89	76.00	29.69	45	17.58	122	47.66
5 - 6	1	0.38	265	99.62	3	1.16	257	99.23	25	10.00	218.00	87.20	50	19.53	126.00	49.22	49	19.14	171	66.80
6 - 7	1	0.38	266	100.00	0	0.00	257	99.23	11	4.40	229.00	91.60	44	17.19	170.00	66.41	35	13.67	206	80.47
7 - 8	0	0.00	266	100.00	0	0.00	257	99.23	7	2.80	236.00	94.40	35	13.67	205.00	80.08	18	7.03	224	87.50
8 - 9	0	0.00	266	100.00	0	0.00	257	99.23	8	3.20	244.00	97.60	15	5.86	220.00	85.94	11	4.30	235	91.80
9 - 10	0	0.00	266	100.00	1	0.39	258	99.61	2	0.80	246.00	98.40	15	5.86	235.00	91.80	11	4.30	246	96.09
10 +	0	0.00	266	100.00	1	0.39	259	100.00	4	1.60	250.00	100.00	21	8.20	256.00	100.00	10	3.91	256	100.00

Incident Total: 266

Average Times per Incident

Average PSAP Processing Time: 0 minute(s) 56 second(s)
 (Alarm to Dispatch) Percent less than or equal to 60 Seconds: 57.52
 Percent less than or equal to 90 Seconds: 83.08

Average Fire Department Turn Out Time: 1 minute(s) 35 second(s)
 (Dispatch to Enroute)

Average Fire Department Turn Out and Travel Time: 5 minute(s) 19 second(s)
 (Dispatch to Arrive)

Average Municipal Response Time: 6 minute(s) 15 second(s)
 (Alarm to Arrive)

Percentile Response Times in Accordance with NFPA Standards

PSAP Processing Time less than 60 seconds: 57.52%
 (Alarm to Dispatch)

Fire Department Turn Out Time less than 60 seconds: 33.20%
 (Dispatch to Enroute)

Fire Department Travel Time less than 4 minutes: 58.80%
 (Enroute to Arrive)

Incident Summary by Incident Type

For Dates: 7/1/18 - 7/31/18



Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
No Shift Entered				
No Station Entered				
Rescue & Emergency Medical Service Incidents	2	00:00:43	\$ 0.00	\$ 0.00
Special Incident Types	1	00:04:27	\$ 0.00	\$ 0.00
Total for No Station Entered	3	00:01:57	\$ 0.00	\$ 0.00
Total for No Shift Entered	3.00	00:01:57	\$ 0.00	\$ 0.00
Shift: A				
Station: MA				
Rescue & Emergency Medical Service Incidents	1	00:07:44	\$ 0.00	\$ 0.00
Total for Station: MA	1	00:07:44	\$ 0.00	\$ 0.00
Station: ST1				
Fires	3	00:06:54	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	26	00:05:33	\$ 0.00	\$ 0.00
Service Calls	1	00:05:40	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:10:15	\$ 0.00	\$ 0.00
Total for Station: ST1	33	00:05:29	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	13	00:05:19	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	3	00:08:08	\$ 0.00	\$ 0.00
Service Calls	1	00:05:49	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:06:13	\$ 0.00	\$ 0.00
Special Incident Types	1	00:01:00	\$ 0.00	\$ 0.00
Total for Station: ST2	22	00:04:51	\$ 0.00	\$ 0.00
Station: ST3				
Fires	4	00:06:57	\$ 95,500.00	\$ 79,500.00
Rescue & Emergency Medical Service Incidents	32	00:07:33	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:07:39	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	3	00:08:11	\$ 0.00	\$ 0.00
Total for Station: ST3	42	00:07:11	\$ 95,500.00	\$ 79,500.00
Total for Shift: A	98.00	00:06:06	\$ 95,500.00	\$ 79,500.00
Shift: B				
Station: MA				
Rescue & Emergency Medical Service Incidents	1	00:06:06	\$ 0.00	\$ 0.00
Total for Station: MA	1	00:06:06	\$ 0.00	\$ 0.00
Station: ST1				

Incident Summary by Incident Type

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Fires	2	00:07:37	\$ 0.00	\$ 3,000.00
Overpressure Rupture, Explosion, Overheat - no fire	1	00:03:04	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	15	00:05:28	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	3	00:09:28	\$ 0.00	\$ 0.00
Service Calls	3	00:05:52	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:05:04	\$ 0.00	\$ 0.00
Total for Station: ST1	27	00:05:48	\$ 0.00	\$ 3,000.00
Station: ST2				
Overpressure Rupture, Explosion, Overheat - no fire	1	00:09:22	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	15	00:05:50	\$ 0.00	\$ 0.00
Service Calls	2	00:02:34	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:10:40	\$ 0.00	\$ 0.00
Total for Station: ST2	21	00:05:22	\$ 0.00	\$ 0.00
Station: ST3				
Fires	2	00:05:49	\$ 117,400.00	\$ 117,400.00
Overpressure Rupture, Explosion, Overheat - no fire	1	00:07:46	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	35	00:06:48	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:06:24	\$ 0.00	\$ 0.00
Service Calls	2	00:07:39	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	5	00:08:34	\$ 0.00	\$ 0.00
Total for Station: ST3	48	00:06:50	\$ 117,400.00	\$ 117,400.00
Total for Shift: B	97.00	00:06:13	\$ 117,400.00	\$ 120,400.00
Shift: C				
Station: MA				
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
Total for Station: MA	1	00:00:00	\$ 0.00	\$ 0.00
Station: ST1				
Fires	2	00:01:56	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	26	00:05:20	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:04:08	\$ 0.00	\$ 0.00
False Alarm & False Calls	6	00:04:26	\$ 0.00	\$ 0.00
Total for Station: ST1	37	00:04:54	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	9	00:05:55	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:06:14	\$ 0.00	\$ 0.00
Total for Station: ST2	11	00:05:58	\$ 0.00	\$ 0.00
Station: ST3				
Fires	1	00:05:30	\$ 0.00	\$ 1,000.00
Rescue & Emergency Medical Service Incidents	18	00:05:58	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:09:07	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:08:50	\$ 0.00	\$ 0.00
Total for Station: ST3	24	00:06:12	\$ 0.00	\$ 1,000.00

Incident Summary by Incident Type

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Total for Shift: C	73.00	00:05:25	\$ 0.00	\$ 1,000.00
Total	271.00	00:05:55	\$ 212,900.00	\$ 200,900.00

Listing of Mutual Aid Responses by Mutual Aid Department



Time Period: 7/1/18 - 7/31/18

Department 08204: Canton Twp FD

Mutual aid received

180001709	7/27/18	4:55:11PM	1	08204	48222 POWELL RD
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Subtotal Mutual aid received **1**

Subtotal Canton Twp FD **1**

Department 08232: City of Northville FD

Mutual aid received

180001663	7/22/18	11:54:31AM	1	08232	14707 NORTHVILLE RD
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180001709	7/27/18	4:55:11PM	1	08232	48222 POWELL RD
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Subtotal Mutual aid received **2**

Subtotal City of Northville FD **2**

Department 08255: Northville Twp FD

Mutual aid received

180001612	7/17/18	4:04:27PM	1	08255	EDWARD HINES DR
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180001709	7/27/18	4:55:11PM	1	08255	48222 POWELL RD
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Subtotal Mutual aid received **2**

Mutual aid given

180001723	7/30/18	11:53:13AM	3	08255	15573 NORTHVILLE FOREST DR
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180001661	7/22/18	10:38:47AM	3	08255	6100 N HAGGERTY
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Subtotal Mutual aid given **2**

Subtotal Northville Twp FD **4**

Department WWMA: Hazardous Materials Response Team

Other aid given

180001650	7/21/18	7:58:06AM	5	WWMA	STATE HWY
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Subtotal Other aid given **1**

Subtotal Hazardous Materials Response Team **1**

Total **6**

Agency Activity Summary

Plymouth Community Fire Dept

Agency: Plymouth Community Fire Dept | Service Date: From 07/01/2018 Through 07/31/2018

Total Number of ePCRs: 171

Total Number of Incidents: 167

By Branch

01 Station 1 = 58

02 Station 2 = 37

03 Station 3 = 76

Run Disposition

	#	%		#	%
Treated/Transported	25	14.6%	Dead Prior To Arrival	8	4.7%
Treated / Transferred Care	96	56.1%	Dead After Arrival	1	0.6%
Treated/No Transport (AMA)	39	22.8%	Treat/Transported by Private Veh.	N/A	N/A
Treated / No Transport (Per Protocol)	N/A	N/A	Assist	N/A	N/A
Transported / Refused Care	N/A	N/A	Other	2	1.2%
No Transport / Refused Care	N/A	N/A	No Patient Found	N/A	N/A
Cancelled	N/A	N/A			
Left Blank	N/A	N/A			

Run Type

	#	%		#	%
Emergency Runs	N/A	N/A	Non-Emergency Runs	N/A	N/A
Stand By	N/A	N/A	Stand By	N/A	N/A
Mutual Aid	N/A	N/A	Mutual Aid	N/A	N/A
Interfacility	N/A	N/A	Interfacility	N/A	N/A
Intercept	N/A	N/A	Intercept	N/A	N/A
Emergency Runs (Scheduled)	N/A	N/A	Non-Emergency Runs (Scheduled)	N/A	N/A
Stand By	N/A	N/A	Stand By	N/A	N/A
Mutual Aid	N/A	N/A	Mutual Aid	N/A	N/A
Interfacility	N/A	N/A	Interfacility	N/A	N/A
Intercept	N/A	N/A	Intercept	N/A	N/A

Emergency Type Left Blank: 0

Runs by Unit

	Total	Treat/ Transp	Treat/ Transfer	Treat/No Transp(AMA)	Treat/No Transp(PP)	Transp/ Ref. Care	Cancelled	Dead Prior Arr	Dead After Arr	T/T Priv Veh	No Trans/ Ref. Care	Assist	Other	No Pat. Found
ENG2	4	0	4	0	0	0	0	0	0	0	0	0	0	0
RES1	56	11	24	13	0	0	0	6	1	0	0	0	1	0
RES2	35	7	19	8	0	0	0	1	0	0	0	0	0	0
RES3	76	7	49	18	0	0	0	1	0	0	0	0	1	0
Total	171	25	96	39	0	0	0	8	1	0	0	0	2	0

Runs by Service Level

	#	%		#	%
Dispatched			Recommended		
Service Level			Service Level		
BLS	8	4.7%	BLS	116	67.8%
ALS	163	95.3%	ALS1	53	31.0%
SCT	N/A	N/A	ALS2	2	1.2%
			SCT	N/A	N/A
			Rotary Wing	N/A	N/A
			Fixed Wing	N/A	N/A

Runs by Insurance Type with Service Level (Multiple insurance types may have

been marked on a run)

Type	BLS	%	ALS1	%	ALS2	%	SCT	%Rotary Wing	%Fixed Wing	%	Total	%
Medicare	2	1.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	1.2%
None	117	68.4%	53	31.0%	2	1.2%	N/A	N/A	N/A	N/A	172	100.6%

Runs by Primary PI (Note - Primary PI is based on the ICD-10 priority setup in HealthEMS)

Description	#	%
Abdominal Pain	5	2.9%
Airway Obstruction	1	0.6%
Allergic Reaction	2	1.2%
Alt. Level Conscious	5	2.9%
Anxiety	7	4.1%
Asthma Symptoms	1	0.6%
Back Pain (No Trauma)	3	1.8%
CVA/Stroke	1	0.6%
Cardiac Arrest	3	1.8%
Cardiac Symptoms	6	3.5%
Chest Pain	6	3.5%
Dehydration Symp.	1	0.6%
Depression (acute)	1	0.6%
Diabetic Symptoms	2	1.2%
Dizziness	3	1.8%
Dyspnea-SOB	11	6.4%
Flu Symptoms	2	1.2%
Headache (no trauma)	1	0.6%
Monitoring Required	5	2.9%
Nausea	2	1.2%
No Medical Problem	9	5.3%
Nose Bleed	1	0.6%
OB/Gyn	1	0.6%
Obvious Death	6	3.5%
Post-Op Complication	1	0.6%
Psychiatric Emerg.	2	1.2%
Seizure	6	3.5%
Syncope/Fainting	10	5.8%
Trauma Injury	33	19.3%
Unconscious	2	1.2%
Unknown Medical	2	1.2%
Urination Problem	1	0.6%
Vomiting	2	1.2%
Weakness	25	14.6%
Left Blank	2	1.2%
Total	171	100.0%

Runs by Dispatch (EMD) Code

<u>Description</u>	<u>#</u>	<u>%</u>
1 Abdominal Pain	2	1.2%
10 Chest Pain [non-traumatic]	16	9.4%
11 Choking	1	0.6%
12 Convulsions/Seizures	6	3.5%
17 Falls	31	18.1%
19 Heart Problems A.I.D.C	1	0.6%
2 Allergies/Envenomations	2	1.2%
20 Heat/Cold Exposure	1	0.6%
21 Hemorrhage/Lacerations	4	2.3%
23 Overdose/poisoning	1	0.6%
24 Pregnancy/Childbirth/Miscarriage	1	0.6%
25 Psychiatric/Abnormal behavior/Suicide Attempt	2	1.2%
26 Sick Person	25	14.6%
27 Stab/ Gunshot Penetrating Trauma	1	0.6%
28 Stroke [CVA]	3	1.8%
29 Traffic/Accidents	15	8.8%
30 Traumatic Injuries	4	2.3%
31 Unconscious/Fainting	15	8.8%
32 Unknown Problem	5	2.9%
35 Standby Police Scene	1	0.6%
5 Back Pain	3	1.8%
6 Breathing Problems	15	8.8%
7 Burns/Explosion	1	0.6%
88 Not applicable	1	0.6%
9 Cardiac or Respiratory Arrest/Death	5	2.9%
99 Unknown	8	4.7%
<i>Left Blank</i>	1	0.6%
<hr/> <i>Total</i>	171	100.0%

Transport From (Category)

	<u>#</u>	<u>%</u>
--Left Blank--	171	100.0%
<i>Total</i>	171	100.0%

Transport From (Facility)

	<u>#</u>	<u>%</u>
--Left Blank--	171	100.0%
<i>Total</i>	171	100.0%

Transport To (Destination Facility)

	<u>#</u>	<u>%</u>
St Mary Livonia ER	90	52.6%
--Left Blank--	50	29.2%
Providence Park ER-Novi	9	5.3%
UNIVERSITY OF MICHIGAN ER	9	5.3%
St Joe Ann Arbor ER	7	4.1%
Beaumont Hospital Royal Oak	2	1.2%
Annapolis (Beaumont Wayne)	1	0.6%
Beaumont Farmington Hills (Botsford)	1	0.6%
No transport	1	0.6%
Oakwood Canton	1	0.6%
<i>Total</i>	171	100.0%

Back Print

Inspection Volume

8/1/2018 1:31:17 PM

Filters:

- Inspection Source: **Internal Department Only**
- Start Date: **7/1/2018 12:00:00 AM**
- End Date: **7/31/2018 11:59:59 PM**
- Inspector: **-all-**
- Occupancy Type: **-all-**
- IFC Occupant Class: **-all-**
- Occupancy Number: **-all-**
- Zip Code: **-all-**
- Address: **-all-**
- Street Name: **-all-**
- Inspection Type: **-all Fire Safety types-**
- Section Number: **-all-**

Volume by Inspector

Inspector	# of Inspections ¹	Violations Cited	Occupant Sq. Ft.
Conroy, William			
Annual ^{FS}	7		7,789
Semi-Annual (twice a year) ^{FS}	18		48,160
2-Year ^{FS}	8		5,100
3-Year ^{FS}	18		70,900
Final - Occupancy ^{FS}	1		0
Re-inspect ^{FS}	16		76,846
Annual (4)			
2-Year (4)			
3-Year (6)			
Final - Occupancy (1)			
Reoccupancy (1)			
Total 16³			
Reoccupancy ^{FS}	3		1,225
Site Plan ^{FS}	1		0
Suppression System ^{FS}	2		22,000
Underground Flush ^{FS}	1		50,000
Total	75	15	282,020

Totals

	# of Inspections ¹	Violations Cited	Violations Cleared ²	Violations Remaining	Occupant Sq. Ft.
Annual ^{FS}	7				7,789
Semi-Annual (twice a year) ^{FS}	18				48,160
2-Year ^{FS}	8				5,100
3-Year ^{FS}	18				70,900
Final - Occupancy ^{FS}	1				0
Re-inspect ^{FS}	16				76,846
Reoccupancy ^{FS}	3				1,225
Site Plan ^{FS}	1				0
Suppression System ^{FS}	2				22,000
Underground Flush ^{FS}	1				50,000
Total⁵	75	15	4	11	282,020

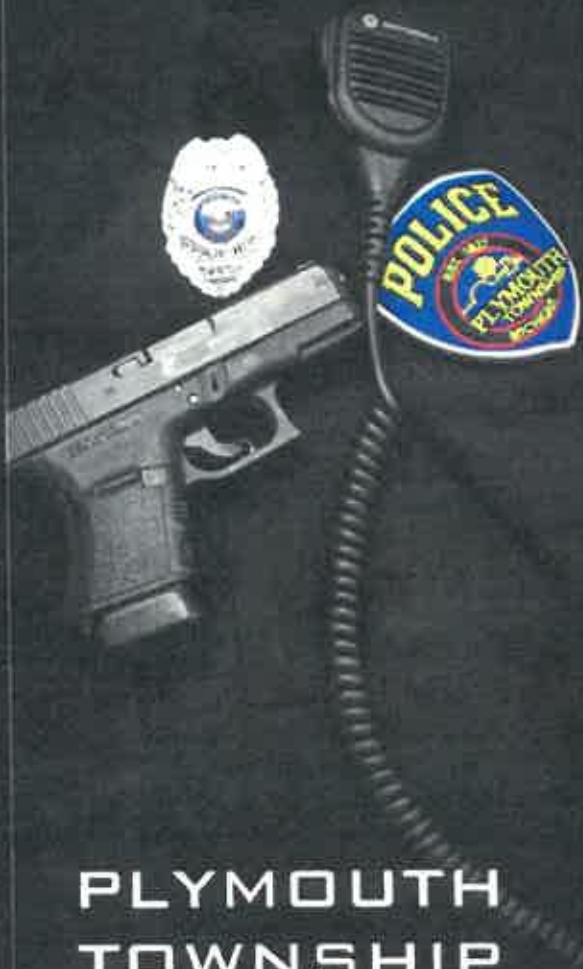
¹This is actually a count for the inspection type. A single inspection with two types will total as two not one.

²Cleared violations from re-inspections outside the date range ARE included if initial inspection falls within date range.

³One re-inspection can encompass multiple inspection types - this is why the re-inspection type-specific total is frequently greater than the # of inspections.

^{FS}Fire Safety Inspection.

⁵Filtering out portal inspections can cause violations cited to be less than violations cleared (violation cited count comes from both department and portal inspections, while violations cleared only come from department inspections).



2018
MONTHLY
REPORTS

PLYMOUTH
TOWNSHIP
POLICE

JULY

PART-ONE CRIMES

January 1, 2018 through December 31, 2018

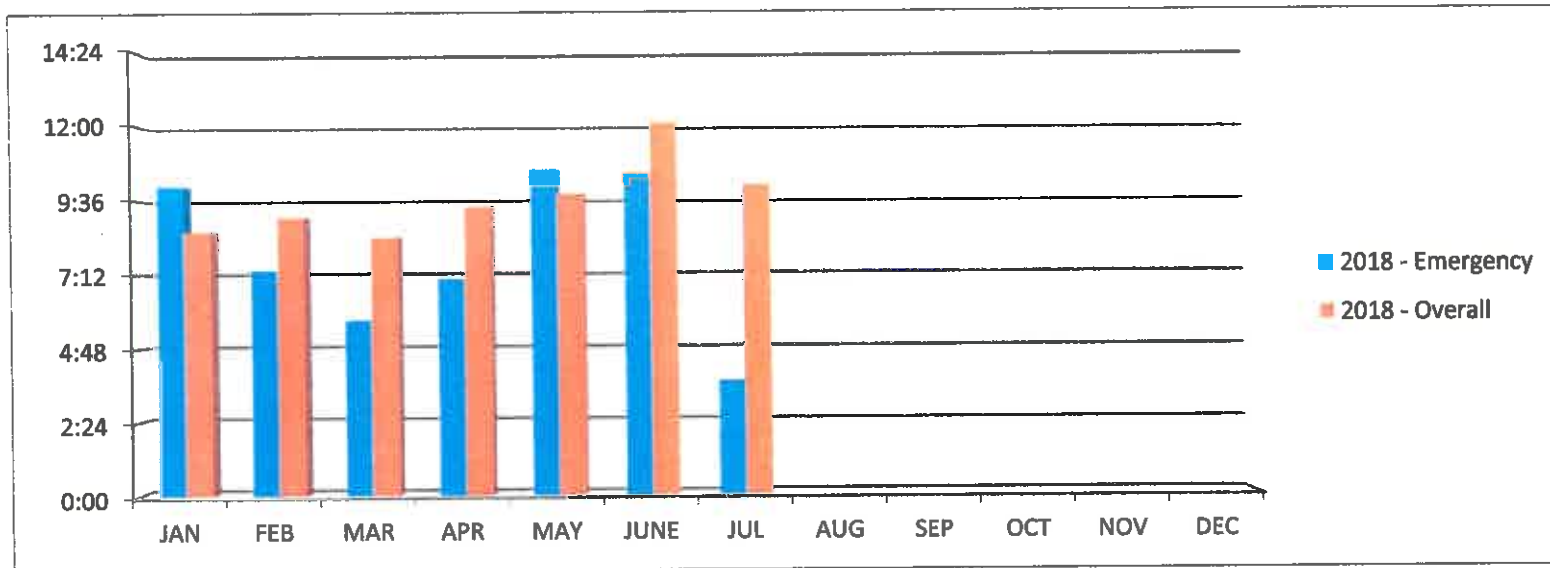
2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Murder	0	0	0	0	0	0	0						0
CSC	1	1	0	0	1	0	1						4
Robbery	0	0	1	0	1	0	0						2
Aggravated Assault	0	0	3	0	1	0	1						5
Burglary	1	0	1	0	1	5	2						10
Larceny	7	5	1	9	22	13	14						71
Auto Theft	1	1	0	1	0	3	0						6
Arson	0	0	0	0	0	0	0						0
Retail Fraud	1	0	2	0	1	0	2						6
Total	11	7	8	10	27	21	20						104

CALLS FOR SERVICE

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Part A Crimes	47	40	35	33	53	50	48						306
All Other Crimes	97	78	99	45	105	108	95						627
Total	144	118	134	78	158	158	143						

RESPONSE TIME

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC
2018 - Emergency	10:04	7:20	5:41	7:03	10:34	10:26	3:39					
2018 - Overall	8:35	9:03	8:24	9:24	9:48	12:06	10:05					



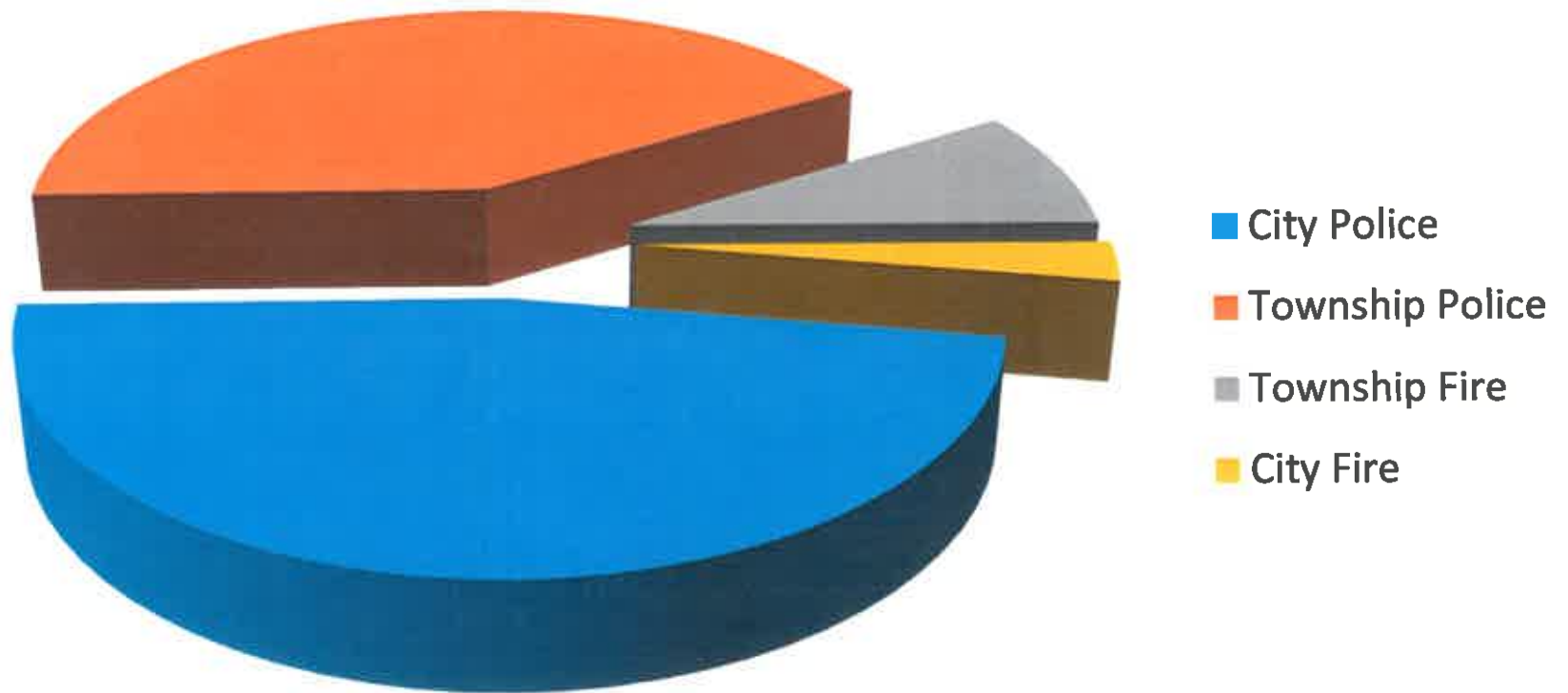
DISPATCH CENTER

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
# of 911 Calls	1,177	1,028	1,124										3,329
# of Non-Emergency Calls	2,696	2,571	2,637	2,487	2,816	2,705	2,883						18,795
Total													

POLICE AND FIRE RESPONSE

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	1,500	1,231	1,408	1,226	1,483	1,350	1,401						9,599
Township Police	1,248	976	1,218	1,107	1,333	1,331	1,285						8,498
Township Fire	273	232	262	227	249	224	269						1,736
City Fire	77	81	78	74	86	70	98						564
Total	3,098	2,520	2,966	2,634	3,151	2,975	3,053						20,397

Calls for Service YTD



TRAFFIC ACCIDENT SUMMARY

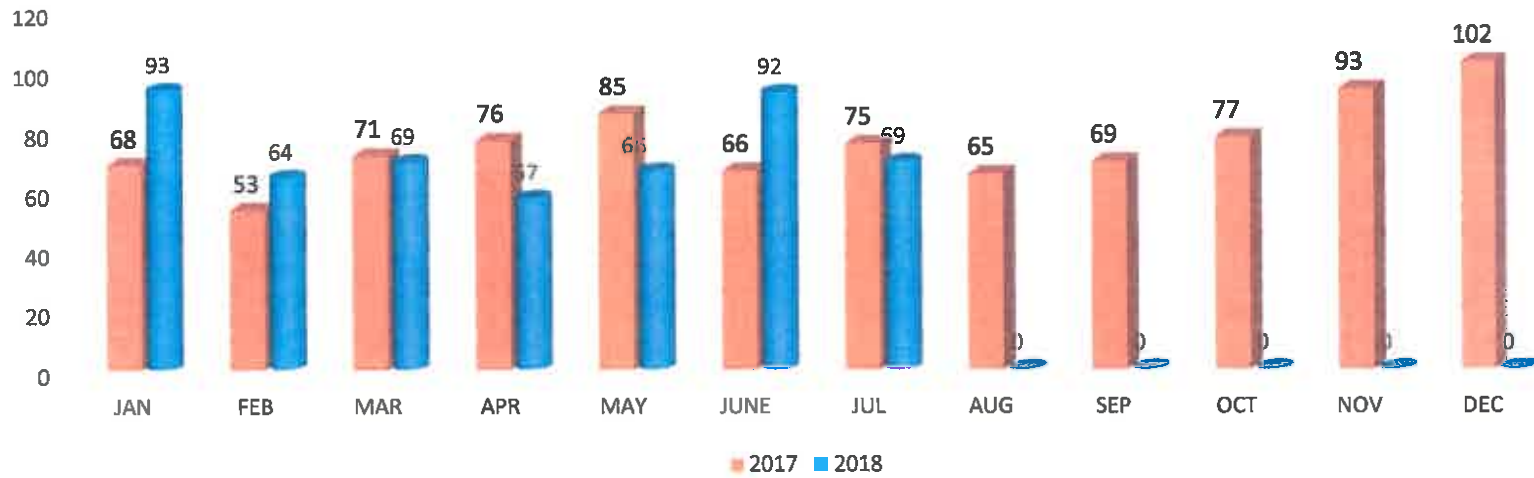
JANUARY 1, 2018 THROUGH DECEMBER 31, 2018

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Fatal	0	0	0	0	0	0	0						0
Personal Injury	12	9	7	13	3	8	14						66
Property Damage	68	44	49	34	47	61	40						343
Private Property	13	11	13	10	16	22	15						100
Hit and Run	0	0	0	0	0	1	0						1
Total	93	64	69	57	66	92	69	0	0	0	0	0	510

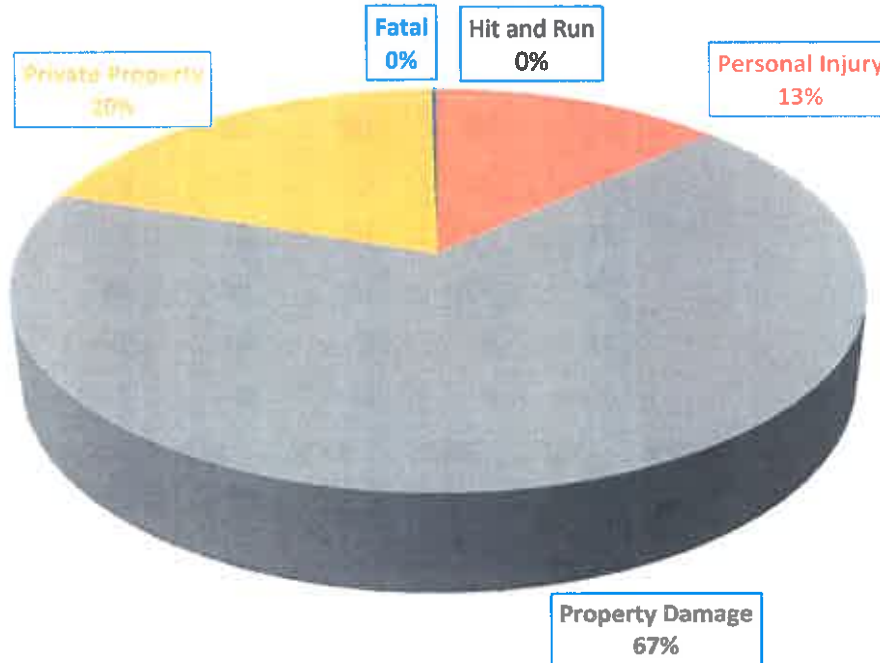
JANUARY 1, 2017 THROUGH DECEMBER 31, 2017

2017	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Fatal	0	0	0	0	0	0	0	0	0	0	0	0	0
Personal Injury	6	4	4	14	15	21	17	13	14	10	14	15	147
Property Damage	58	45	64	55	66	42	53	45	46	62	69	76	681
Private Property	3	4	3	6	4	3	5	7	9	5	9	11	69
Hit and Run	1	0	0	1	0	0	0	0	0	0	1	0	3
Total	68	53	71	76	85	66	75	65	69	77	93	102	900

Traffic Accidents 2017 vs 2018



REPORTED ACCIDENTS BY TYPE - YTD 2018



TRAFFIC VIOLATION SUMMARY

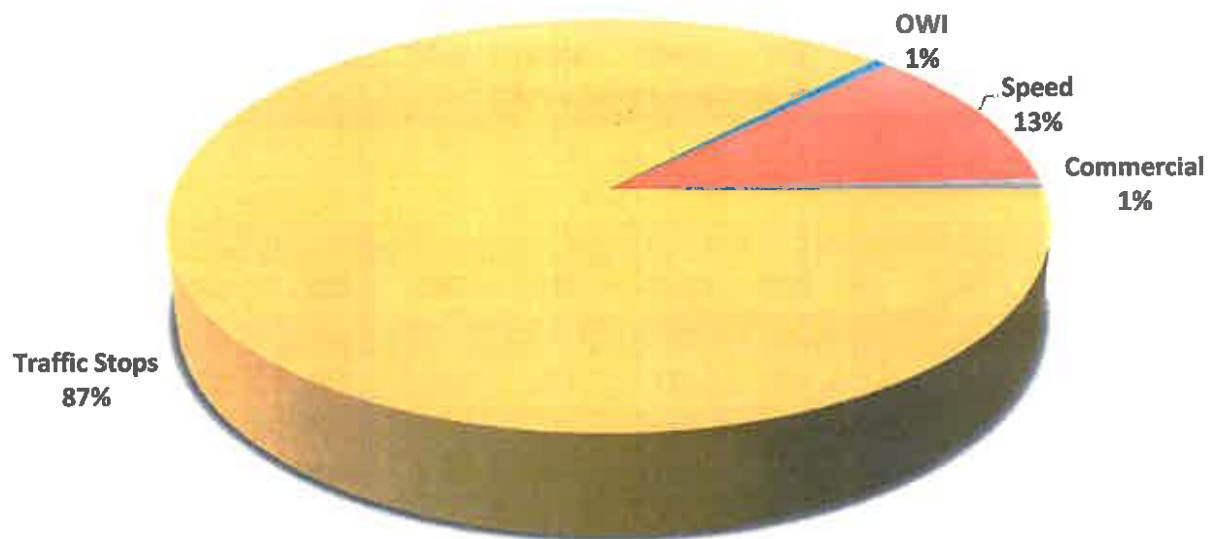
January 1, 2018 through December 31, 2018

2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	4	5	3	1	4	2	4						23
Speed	31	18	40	45	83	114	82						413
Commercial	3	1	0	0	5	5	14						28
Traffic Stops	430	276	432	392	521	578	529						3,158

Number of Arrests

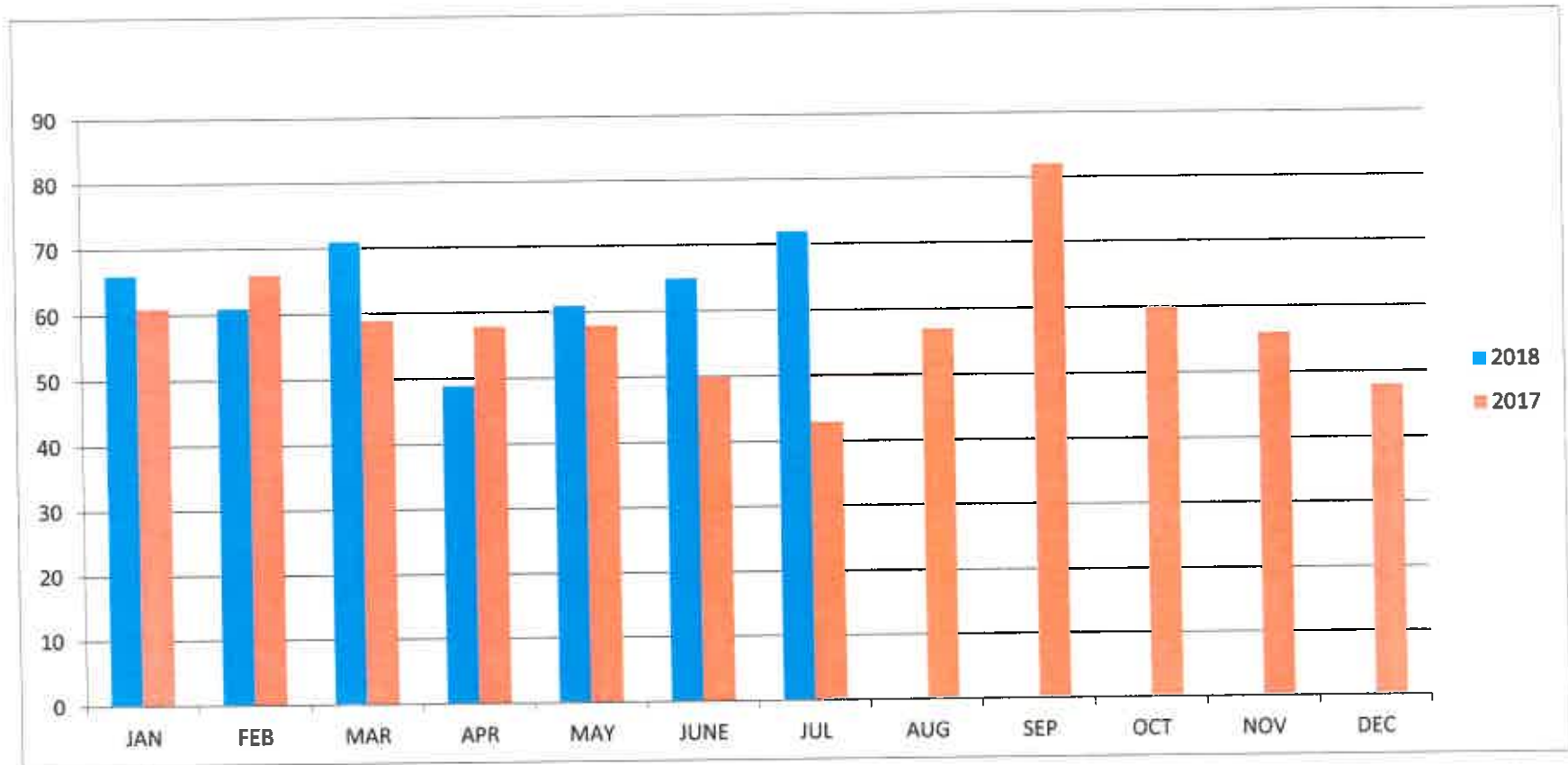
2018	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Felony	9	8	7	5	7	11	10						57
Misdemeanor	57	53	64	44	54	54	62						388
Citations	230	139	236	192	248	317	241						1,603
Total	296	200	307	241	309	382	313						2,048

Traffic Violations Issued by Type Year to Date 2017



NUMBER OF ARRESTS

	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
2018	66	61	71	49	61	65	72						445
2017	61	66	59	58	58	50	43	57	82	60	56	48	698





MCKENNA

MEMORANDUM

To: Plymouth Township Board of Trustees and Planning Commission

From: Laura E. Haw, AICP, McKenna
Planning Director, Plymouth Township; and
Jennifer Neal, Planner, McKenna,

Date: August 3, 2018

Re: July 2018 Monthly Report: Planning and Zoning Department

PLANNING AND ZONING

McKenna provides day-to-day assistance to the Township, applicants and public regarding zoning, planning and economic redevelopment matters, including on-site offices hours every Tuesday, Wednesday and Thursday. The following is McKenna's monthly report to the Township, which covers significant Planning and Zoning activities and services in July.

Township Planning and Zoning Activity

As part of our services to the Township, McKenna reviews Planning Commission applications and plans and provides recommendations on long range planning, land use, zoning and design. There are also a number of administrative site plans / projects that McKenna reviews and administers. The following is a summary of current and ongoing site plans, special land uses, rezonings, text amendments and land reconfigurations:

PLANNING AND ZONING PROJECTS	
Project	Current Status and Progress (New items since last month are <u>underlined and bold</u>)
#2138 49600 Ann Arbor Road Andover Forest	Final stamping process initiated in 2015. Insufficient documentation provided to close file. The Planning Department receives numerous inquiries about this site as it was cleared and stalled. Policies are in place to ensure this will not occur again. <u>Final legal documents under review by the Township Attorney, Kevin Bennett.</u> <u>Next Steps: Applicant to submit final documents and apply for the final stamping process and to address all outstanding items, including delinquent taxes.</u>

HEADQUARTERS
235 East Main Street
Suite 105
Northville, Michigan 48167

☎ 248.596.0920
☎ 248.596.0930
MCKA.COM

Communities for real life.

PLANNING AND ZONING PROJECTS	
Project	Current Status and Progress (New items since last month are <u>underlined and bold</u>)
#2232 39600 Ann Arbor Road <i>Dunkin Donuts</i>	Final site plan approval (building expansion) granted by the Planning Commission, December 2017. <u>Permits from Wayne County and subject to the conditions of final engineering approval.</u> <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2235 40475 Plymouth Road <i>Arctic Pond Ice Arena</i>	On-site landscape review conducted by McKenna, near compliance, 90% of bond released. <u>Next Steps: Applicant to work with the Building Department on permits.</u>
#2236 41144 Concept Drive <i>Oerlikon Metco</i>	On-site landscape review conducted by McKenna, 100% compliance with site plan. <u>Next Steps: Applicant to work with the Building Department on permits.</u>
#2243 14951 N. Haggerty Road <i>St. Kenneth Church</i>	Final site plan approval (building expansion) granted by the Planning Commission, December 2017. <u>Permits from Wayne County secured. Applicant submitted for final stamp; final stamp in process.</u> <u>Next Steps: Applicant to work with the Building Department on permits.</u>
#2245 15257 Beck Road <i>Plymouth Plaza</i>	Final site plan approval (two-building, multi-tenant commercial plaza) granted by the Planning Commission, August 2017. Seven (7) administrative reviews have since been conducted due to remaining outstanding conditions of Commission approval. <u>Revised site plan review; the plan has experienced significant adjustments per Wayne County and the applicant since final site plan approval.</u> <u>Next Steps: Revised, final site plan review by the Planning Commission is scheduled at the August 15, 2018 meeting.</u>
#2248 49200 Halyard Drive <i>Adient</i>	Revised, final site plan approval (building expansion and site improvements) granted by the Planning Commission, May 2018. <u>Final permits and subject to the conditions of final engineering approval.</u> <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2265 39475 Ann Arbor road <i>Home, Health and Hospice</i>	Administrative site plan approval (building addition) granted October, 2017. On-site landscape review conducted by McKenna, compliance with site plan met. <u>Next Steps: Applicant to work with the Building Department on permits.</u>



PLANNING AND ZONING PROJECTS	
Project	Current Status and Progress (New items since last month are <u>underlined and bold</u>)
#2269 39411 Schoolcraft Plymouth Park and Eats	Final site plan approval (food truck park) granted by the Planning Commission, November 2017. <u>Permits from Wayne County and subject to the conditions of final engineering approval.</u> <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2271 39550 Ann Arbor Road Quick Pass Car Wash	Final site plan approval (new construction) granted by the Planning Commission, December 2017. <u>Permits from Wayne County and subject to the conditions of final engineering approval.</u> <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2272 45980 Ann Arbor Road The Woods	Final site plan, CHO approval (nine (9), detached, single family residential units) granted by the Planning Commission, January 2018. <u>Permits from Wayne County, final CHO approval granted by the Board of Trustees on July 24, 2018.</u> <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2274 15075 Beck Road Beck Hotel PUD	Tentative site plan approval (mixed-use site with hotel and restaurants) granted by the Planning Commission, April 2018. <u>Revisions to the final site plan to be completed by the applicant. Several meetings during July with McKenna and Spalding and the developer regarding Ordinance requirements.</u> <u>Next Steps: Revised, final site plan review by the Planning Commission is scheduled at the August 15, 2018 meeting.</u>
#2278 47373 Five Mile Road Shell Plaza	Application submitted for accessory building addition. Administrative Committee review throughout spring 2018. Administrative Committee review cannot issue approval as of June 25, 2018 (date of last review letter and transmittal submitted to applicant). <u>Next Steps: Project postponed until the applicant submits a revised site plan, which addresses all outstanding issues, for Township review.</u>
#2280 41656 Ann Arbor Road Monroe Bank and Trust	New construction for the Monroe Bank and Trust by the Administrative Committee. <u>Permits and subject to the conditions of final engineering approval.</u> <u>Next Steps: Applicant to submit for the final stamping process with updated Master Deed to be re-recorded and a copy made available to the Township.</u>
#2282 15075 Beck Road Land Combination	Initial Township review, application deemed incomplete, May 2018. <u>Next Steps: Applicant to submit outstanding documentation for Township review.</u>



PLANNING AND ZONING PROJECTS

Project	Current Status and Progress (New items since last month are <u>underlined and bold</u>)
#2286 15075 Beck Road <i>Graye's Greenhouse</i>	Application submitted for a Class A, non-conforming designation. Approval of the designation approved by the Planning Commission, June 2018. <u>Next Steps: Applicant to submit for the final stamping process.</u>
#2287 47725 Five Mile Road <i>Bank of America Lot Split</i>	Lot split application submitted for the Bank of America (from the Home Depot parent parcel). <u>Next Steps: Project postponed until the applicant submits a revised legal survey, which addresses all outstanding issues, for Township review.</u>
#2289 14745 Eckles Road <i>Lot Reconfiguration</i>	Lot split / combination application submitted for various residential parcels (four) on Eckles Road. <u>Next Steps: Project postponed until the applicant submits a revised legal survey, which addresses all outstanding issues, for Township review.</u>
#2290 41661 Plymouth Road <i>Hillside Residences</i>	Planned Unit Development (PUD) application submitted for Planning Commission review. <u>The requested PUD Option was granted, with conditions, by the Board of Trustees at the July 17, 2018 meeting.</u> <u>Next Steps: Applicant to initiate the site plan review process.</u>
#2292 49471 Ann Arbor Road <i>Picnic Basket</i>	Rezoning application (C-1 to the C-2) submitted for Planning Commission review. Rezoning action postponed by the Planning Commission on June 20, 2018. <u>Potential text amendments to the C-1 district discussed at the Planning Commission study session on July 25, 2018.</u> <u>Next Steps: Planning Commission to consider a potential text amendment to the C-1 district and/or other options in August 2018.</u>
#2293 40600 Ann Arbor Trail <i>Use Variance</i>	Use Variance application (auto repair shop) submitted for Planning Commission review. <u>Planning Commission review of the proposed use variance at the July 18, 2018 meeting.</u> <u>Next Steps: Findings of the Planning Commission to be transmitted in August to the Zoning Board of Appeals, per the process of Section 31.12.1 of the Zoning Ordinance.</u>
#2296 12731 Beck Road <i>Verona Park</i>	Application submitted for site plan review. <u>Tentative site plan approval, with conditions, granted by the Planning Commission at their July 18, 2018 meeting.</u> <u>Next Steps: Applicant to revised site plan package and submit for final site plan review by the Planning Commission within one year.</u>



PLANNING AND ZONING PROJECTS

Project	Current Status and Progress (New items since last month are <u>underlined and bold</u>)
#2297 1498 Sheldon Road <i>Urgent Care Sign</i>	Application for a wall sign in the ARC, Ann Arbor Road Corridor district submitted for review. <u>Sign approval, with conditions, granted by the Planning Commission at their July 18, 2018 meeting. Final stamp issued on July 24, 2018.</u> <u>Project file closed.</u>
#2298 14707 Keel Street <i>Administrative Site Plan</i>	Administrative (minor) application submitted by Bratcher Electric for a new generator and landscaping. <u>Next Steps: Project postponed until the applicant submits a revised site plan, which addresses all outstanding issues, for Township review.</u>
#2299 14701 Keel Street <i>Administrative Site Plan</i>	Administrative (minor) application submitted by Bratcher Electric for a new generator and landscaping. <u>Next Steps: Project postponed until the applicant submits a revised site plan, which addresses all outstanding issues, for Township review.</u>
MISC.	Continued collaboration and meetings with Wayne County regarding the sale and redevelopment of the Phoenix Mill property. Wayne County and the final development team will present at the August 14, 2018 Board of Trustees meeting on the sale and redevelopment of the Phoenix Mill.
MISC.	The Planning Department continues to enter in prior and open applications so that the new Planning, Zoning and Engineering (PZE) module (BS&A software system) is up-to-date moving forward.
MISC.	Township Administration met on July 20, 2018 to discuss payment in lieu processes, procedures, and tracking. More information to come.
MISC.	Economic development presentation given at the July 24, 2018 Board of Trustees meeting by Supervisor Kurt Heise, Trustee Gary Heitman, and Planning Director Laura Haw regarding new development and redevelopment, challenges and upcoming projects.



Planning and Zoning Department Financial Activity

The following table details payments received by the applicant, determined by the adopted Planning and Zoning Fee Schedule:

PLANNING AND ZONING FEES RECEIVED	CURRENT	2018 YTD
Applications (July)	\$4,600.00	\$62,280.50
2247: 8801 Haggerty Road, Landscaping Review	\$700.00	-
2272: 45980 Ann Arbor Road, PUD Option (BOT Review)	\$1,600.00	
2290: 41661 Plymouth Road, PUD Option (BOT Review)	\$1,600.00	-
2298: 14707 Keel Street, Administrative Site Plan (minor)	\$350.00	-
2299: 14701 Keel Street, Administrative Site Plan (minor)	\$350.00	-

Challenges:

- Ease of public understanding regarding applications, processes, etc. Applicant form revised, application packets remain outstanding.
- Outdated information that would benefit from an update (ex: Zoning Map).
- Many questions on ARC, Ann Arbor Road Corridor sign requirements, not digestible for the public.
- Repeat ZBA variances granted.
- Resident concerns regarding sidewalks in the older subdivisions such as Green Meadows.

Recommendations and Next Month Outlook:

- Update planning application packets to streamline processes / clarify requirements for ease of understanding and use by developers and the general public.
- Consideration of the Planning Commission's 2018 Work Plan activities, including consideration of a joint meeting between all municipal entities: Board of Trustees, Planning Commission, Zoning Board of Appeals, Downtown Development Authority, etc. to discuss projects, future goals and coordination.

If you have any questions on the above planning, zoning and design projects or would like additional information, please contact Laura Haw at Lhaw@mcka.com. Thank you !



FOIA Monthly Report

Run Date: 08/01/2018 8:01 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
7/3/2018	PM Environmental Inc.	Mr. David Balash	Public Services-Works	
7/9/2018	Johnson, Rosati, Schultz & Joppich, PC	Margaret Debler	EMS Report	
7/12/2018	Michigan State Police	Administrative Assistant Sheila Huntoon	Fire Report	
7/11/2018		Daniel Cooner	Building	
7/23/2018		Mr. Thomas Parrelly	Accounting Records Budget	
7/25/2018		Valerie Bartlett	Other	
Total Requests: 6				Total Dollars: 0

PD FOIA Monthly Report

Run Date: 08/01/2018 8:01 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
7/9/2018	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
7/9/2018	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
7/9/2018	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
7/10/2018	LexisNexis	LexisNexis	Police Records	0.00
7/10/2018		Kelly Gorman	Police Records	0.00
7/11/2018		Jalen Gough	Police Records	0.00
7/11/2018		Jordan Gottwald	Police Records	0.00
7/16/2018		Garrett Micallef	Police Records	0.00
7/16/2018	Dunkin Donuts	Ryan Haddad	Police Records	0.00
7/16/2018		David Griffin	Police Records	0.00
7/16/2018		David Griffin	Police Records	0.00
7/17/2018		Adamandros Tsakos	Police Records	0.00
7/18/2018	Domstein & Farrugia	Ms. Catrina Farrugia	Police Records	0.00
7/18/2018	Dearborn PD	Sgt. Russell Faith	Police Records	0.00
7/18/2018		Mr. Mark Miller	Police Records	0.00
7/19/2018		Lolita Woodburn	Police Records	0.00
7/20/2018		Brian Stacey	Police Records	0.00
7/23/2018	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
7/25/2018	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
7/25/2018	Plymouth Hills	Laura Pettipher	Police Records	0.00
7/25/2018	Plymouth Hills	Laura Pettipher	Police Records	0.00
7/25/2018	Plymouth Hills	Laura Pettipher	Police Records	0.00
7/26/2018		Jessica Lester	Police Records	0.00
7/30/2018		Cheri Petri	Police Records	0.00
Total Requests: 24				Total Dollars: 0

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM D.3
APPROVAL OF TOWNSHIP BILLS
AUGUST 14, 2018 MEETING**

BOARD DATE

8/14/2018

FUND NAME

FUND NUMBER

TOTAL
INC PAYROLL

PAYROLL &
INVOICES PAID
PRIOR TO MEETING

INVOICES PAID
AFTER BOARD REVIEW

GENERAL FUND	101	542,240.85	330,146.16	212,094.69
SWD	226	107,580.50	2,540.84	105,039.66
IMPROV. REV.	246	-	-	-
DRUG FORFEITURE	265	-	-	-
DRUG FORFEITURE	266	-	-	-
DRUG FORFEITURE	267	472.05	-	472.05
GOLF COURSE FUND	510	8,574.58	3,665.60	4,908.98
SENIOR TRANSPORATION	588	8,740.00	3,590.92	5,149.08
WATER & SEWER	592	503,914.10	55,593.31	448,320.79
TRUST& AGENCY	701	28,956.76	28,956.76	-
POLICE BOND FUND	702	9,393.91	9,393.91	-
TAX POOL	703	45.78	45.78	-
SPECIAL ASSESS CAPITAL	805	539.83	(12.67)	552.50
TOTALS		1,210,458.36	433,920.61	776,537.75
GRAND TOTAL		1,210,458.36		

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

Page: 1/2
Bond Refunds
8/8/18

VENDOR INFORMATION

INVOICE INFORMATION

HEMMING,POLACZYK,CRONIN,SMITH, BD Bond Refund <i>701-100-202.701 BBD18-0014</i>	Invoice Amount: Check Date: <i>170.63</i>	\$170.63 08/03/2018 <i>170.63</i>
HEMMING,POLACZYK,CRONIN,SMITH, BD Bond Refund <i>701-100-202.701 BPZ18-0003</i>	Invoice Amount: Check Date: <i>170.63</i>	\$170.63 08/03/2018 <i>170.63</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0040</i>	Invoice Amount: Check Date: <i>3,545.00</i>	\$3,545.00 08/03/2018 <i>3,545.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0014</i>	Invoice Amount: Check Date: <i>57.50</i>	\$57.50 08/03/2018 <i>57.50</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0033</i>	Invoice Amount: Check Date: <i>190.00</i>	\$190.00 08/03/2018 <i>190.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0018</i>	Invoice Amount: Check Date: <i>105.00</i>	\$105.00 08/03/2018 <i>105.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0010</i>	Invoice Amount: Check Date: <i>3,398.00</i>	\$3,398.00 08/03/2018 <i>3,398.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0005</i>	Invoice Amount: Check Date: <i>2,287.50</i>	\$2,287.50 08/03/2018 <i>2,287.50</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0002</i>	Invoice Amount: Check Date: <i>995.00</i>	\$995.00 08/03/2018 <i>995.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0006</i>	Invoice Amount: Check Date: <i>460.00</i>	\$460.00 08/03/2018 <i>460.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund <i>701-100-202.701 BE18-0012</i>	Invoice Amount: Check Date: <i>10,385.00</i>	\$10,385.00 08/03/2018 <i>10,385.00</i>
MICHAEL KALLIS CONSTRUCTION BD Bond Refund <i>701-100-202.701 BBD16-0068 - PB16-1001</i>	Invoice Amount: Check Date: <i>1,000.00</i>	\$1,000.00 08/03/2018 <i>1,000.00</i>
KALLIS CONSTRUCTION CO BD Bond Refund <i>701-100-202.701 BBD17-0034 - PB17-0724</i>	Invoice Amount: Check Date: <i>1,000.00</i>	\$1,000.00 08/03/2018 <i>1,000.00</i>
CITI ROOFING CO BD Bond Refund <i>701-100-202.701 BBD17-0018 - PB17-0336</i>	Invoice Amount: Check Date: <i>1,000.00</i>	\$1,000.00 08/03/2018 <i>1,000.00</i>

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

VENDOR INFORMATION**INVOICE INFORMATION****Stile Homes LLC**

BD Bond Refund

*701-100-202.701**BBD17-0035 - PB17-0750***Invoice Amount:****\$1,000.00****Check Date:****08/03/2018***1,000.00***Total Amount to be Disbursed:****\$25,764.26**

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

*BR
8/10/18*

VENDOR INFORMATION

INVOICE INFORMATION

ADVANCED DISPOSAL		Invoice Amount:	\$180.26
DPW RESI COMPOST - 07/05/18		Check Date:	08/13/2018
	226-226-810.400	Compost 05/25/18	150.00
	226-226-810.400	Fuel Surcharge	24.34
	226-226-810.400	Compliance Fee	5.92
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$250.95
Uniform Equip/Bosworth Inv. 71505 6/22/18		Check Date:	08/13/2018
	101-325-758.000	Uniform S/S Shirt	95.98
	101-325-758.000	Uniform Pants	119.98
	101-325-758.000	Uniform Belt	34.99
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$109.98
Uniform Equip/Fell Inv. 71790 7/13/18		Check Date:	08/13/2018
	101-325-758.000	Uniform Pants	109.98
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$173.95
Uniform Equip/King Inv. 71805 7/13/18		Check Date:	08/13/2018
	101-305-758.000	Uniform Glove Pouch	13.99
	101-305-758.000	Uniform Belt	34.99
	101-305-758.000	Uniform Radio Holder	29.99
	101-305-758.000	Uniform Flashlight Holder	19.99
	101-305-758.000	Uniform Stryke Pants	74.99
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$149.98
Uniform Equip/Clark Inv. 71929 7/25/18		Check Date:	08/13/2018
	101-325-758.000	Uniform Pants	149.98
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$97.98
Uniform Equip/Berezak Inv. 71930 7/25/18		Check Date:	08/13/2018
	101-325-758.000	Uniform L/S Shirt	49.99
	101-325-758.000	Uniform S/S Shirt	47.99
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$75.60
accessories for Lt. Randall		Check Date:	08/13/2018
	101-336-758.000	Accessory pins for Lt Randall	75.60
ALPHAGRAPHS #336		Invoice Amount:	\$621.14
Case Jackets w/changes Estimate #120221 7/26/		Check Date:	08/13/2018
	101-305-727.000	Quantity - 4,000 9 x 12 9 x 12 Booklet	602.24
	101-305-727.000	Quantity - 50 Labels for Case Jackets	18.90
APCO INSTITUTE, INC		Invoice Amount:	\$199.00
Crisis Negotiations Training on 8/28/18 Inv. 5337		Check Date:	08/13/2018
	101-325-960.000	PSA Andrea Bosworth	199.00
APCO INSTITUTE, INC		Invoice Amount:	\$199.00
Crisis Negotiations Training on 8/28/18 Inv. 5337		Check Date:	08/13/2018
	101-325-960.000	PSA Tracy Rodriguez	199.00
APCO INSTITUTE, INC		Invoice Amount:	\$199.00
Crisis Negotiations Training on 8/28/18 Inv. 5337		Check Date:	08/13/2018
	101-325-960.000	PSA Vanessa Goodwin	199.00
APOLLO FIRE EQUIPMENT		Invoice Amount:	\$1,025.94
hose		Check Date:	08/13/2018
	101-336-978.000	6-50' hose with couplings	1,025.94

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VENDOR INFORMATION**INVOICE INFORMATION**

APOLLO FIRE EQUIPMENT		Invoice Amount:	\$976.54
fire aide foam		Check Date:	08/13/2018
	101-336-836.000	5 gallon pails fire aide	810.00
	101-336-836.000	RESCUE SERVICE SUPPLIES	166.54
APOLLO FIRE EQUIPMENT		Invoice Amount:	\$136.82
cleaner		Check Date:	08/13/2018
	101-336-851.000	cleaner	136.82
APOLLO FIRE EQUIPMENT		Invoice Amount:	\$66.12
gloves		Check Date:	08/13/2018
	101-336-758.100	XL gloves	66.12
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$83.70
Public Notice of Election - printed 7/26/18 - Invoic		Check Date:	08/13/2018
	101-262-813.000	Public Notice of 8/7/18 Election	83.70
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$18.95
RFP - Emergency Medical Services, printed 7/12/1		Check Date:	08/13/2018
	101-336-727.000	RFP - Emergency Medical Svcs pub 7/12/18	18.95
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$37.75
Legal Notice - Public Test Voting Machines - print		Check Date:	08/13/2018
	101-262-813.000	PN - Public Test - Voting Machines	37.75
NAPA Auto Parts of Plymouth		Invoice Amount:	\$23.40
Invoice # 584644 and Invoice 584643 - Park Sup		Check Date:	08/13/2018
	101-691-931.000	Invoice # 584664	10.00
	101-691-931.000	Invoice # 584643	13.40
NAPA Auto Parts of Plymouth		Invoice Amount:	\$219.00
exhaust fluid		Check Date:	08/13/2018
	101-336-863.000	exhaust fluid	219.00
B & R JANITORIAL SUPPLY		Invoice Amount:	\$89.24
trash bags		Check Date:	08/13/2018
	101-336-776.000	#21004600 liners	89.24
BATTERIES PLUS BULBS		Invoice Amount:	\$26.97
batteries		Check Date:	08/13/2018
	101-336-836.000	batteries	26.97
BATTERIES PLUS BULBS		Invoice Amount:	\$11.95
batteries		Check Date:	08/13/2018
	101-336-836.000	batteries	11.95
BATTERIES PLUS BULBS		Invoice Amount:	\$43.90
Battery for Alarms at PRV Station		Check Date:	08/13/2018
	592-443-937.000	12 V LEAD DURACELL 12-8F	43.90
BLACKWELL FORD INC.		Invoice Amount:	\$4,226.42
Senior Bus Repair Invoice #331481 - Senior Bus		Check Date:	08/13/2018
	588-588-863.000	Senior Trans #331481	4,226.42
BLACKWELL FORD INC.		Invoice Amount:	\$52.34
Vehicle Repair/126605 Inv. 334071 7/12/18		Check Date:	08/13/2018

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VENDOR INFORMATION	INVOICE INFORMATION	Invoice Amount:	Check Date:
	101-305-863.000 Oil Change	52.34	
BLACKWELL FORD INC. Vehicle Repair/157877 Inv. 334085 7/12/18	101-305-863.000 Oil Change	\$52.34	08/13/2018
		52.34	
BLACKWELL FORD INC. A/C DIAGNOSIS	101-371-863.000 INVOICE 333718	\$85.00	08/13/2018
		85.00	
BLACKWELL FORD INC. R3 brakes and suspension	101-336-863.000 R3 Brakes & suspension	\$2,251.65	08/13/2018
		2,251.65	
BLACKWELL FORD INC. Vehicle Repair/A66875 Inv. 334185 7/13/18	101-305-863.000 Oil Change	\$52.34	08/13/2018
		52.34	
BLACKWELL FORD INC. Vehicle Repair/B68428 Inv. 334260 7/16/18	101-305-863.000 Replace Right Rear Tire Sensor	\$67.89	08/13/2018
		67.89	
BLACKWELL FORD INC. Senior Bus Repair Invoice #334869 - Senior Bus	588-588-863.000 Senior Trans #334869	\$845.88	08/13/2018
		845.88	
BLACKWELL FORD INC. U3 check brakes and new tire	101-336-863.000 Check brakes and new tire.	\$214.54	08/13/2018
		214.54	
Brams, Susan Target - Markers for 7/26/18 Event for Hilltop Gol	101-171-727.000 Markers for Hilltop Golf Course Study Ev	\$20.12	08/13/2018
		20.12	
OCCUPATIONAL HEALTH CENTERS OF MI Pre-Employment Physical - Clarence Whitfield (P)	101-305-818.000 Applicant Whitfield (PD)	\$179.50	08/13/2018
		179.50	
CDW GOVERNMENT INC Video Cables and Adapters Quote #JXCC649 7/9/	101-305-727.000 Tripp Lite Displayport Mont Cbl #1561875 101-325-978.000 C2G Bin DisplayPort to DVI #3368417	\$266.40	08/13/2018
		98.00 168.40	
CHLORIDE SOLUTIONS LLC Chloride	101-446-818.000 26% Mineral Well Brine del & applied	\$3,000.30	08/13/2018
		3,000.30	
CINTAS CORPORATION - 300 Mat service for P.D. Inv. 300279306 6/15/18	101-305-776.000 Mats for pd/Active Scraper	\$213.93	08/13/2018
		213.93	
CINTAS CORPORATION - 300 Mat service for P.D. Inv. 300298439 7/13/18	101-305-776.000 Mats for pd/Active Scraper	\$157.33	08/13/2018
		157.33	
Core & Main Hydrant QUOTE 7/18/18		\$2,117.10	08/13/2018

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VENDOR INFORMATION**INVOICE INFORMATION**

	592-172-978.000	MUELLER SUPER CENTURION A-425	2,117.10
Core & Main			Invoice Amount: \$1,083.69
Pick Up Order			Check Date: 08/13/2018
	592-291-935.000	1 curb stop CFXCF 1/4 turn check no lead	243.24
	592-291-935.000	1 corp stop CCXCF no lead	164.85
	592-291-935.000	1 soft k copper tube 60'	675.60
Core & Main			Invoice Amount: \$217.00
Curb box repair supplies Quote dated 5/7/18			Check Date: 08/13/2018
	592-291-935.000	Service Box Rod 36"	217.00
Core & Main			Invoice Amount: \$855.00
Copper rolls quote 6/25/18			Check Date: 08/13/2018
	592-291-935.000	60' rolls of 1" copper	855.00
CORPORATE CLEANING GROUP INC			Invoice Amount: \$1,989.00
ADDITIONAL DAY OF CLEANING FRIENDSHIP			Check Date: 08/13/2018
	101-265-858.000	INVOICE 3945	1,989.00
CORRIGAN OIL COMPANY			Invoice Amount: \$1,873.04
Fuel 7/16/18			Check Date: 08/13/2018
	592-291-863.000	Gas 87 - Ethanol	1,327.27
	592-291-863.000	Dyed Ultra Low Sulfur #2 Mix	529.10
	592-291-863.000	Fuel Tax Recap	9.72
	592-291-863.000	Environmental Fee	6.95
CORRIGAN OIL COMPANY			Invoice Amount: \$2,034.94
Fuel 7/24/18			Check Date: 08/13/2018
	592-291-863.000	Gas 87 - Ethanol	969.68
	592-291-863.000	Dyed Ultra Low Sulfur #2 Mix	1,047.88
	592-291-863.000	Fuel Tax Recap	10.43
	592-291-863.000	Environmental Fee	6.95
DANULOFF, LYLE D., PHD.			Invoice Amount: \$600.00
Evaluations for Christopher Johnson (FD) - 7/23/1			Check Date: 08/13/2018
	101-336-835.000	Evaluation for Christopher Johnson (FD)	600.00
DPW & SON, LLC			Invoice Amount: \$5,800.00
Water Taps at Reserves, Northern, and Ridgewoo			Check Date: 08/13/2018
	592-291-935.000	Vintage Ln 1" Short Irrigation	800.00
	592-291-935.000	12335 Vintage Ln 1" Tap Long	1,000.00
	592-291-935.000	12607 Vintage Ln 1" Tap Long	1,000.00
	592-291-935.000	12653 Vintage Ln 1" Tap Long	1,000.00
	592-291-935.000	13775 Ridgewood 1" Tap Long	1,000.00
	592-291-935.000	9464 Northern 1" Tap Long	1,000.00
DON'S SMALL ENGINE			Invoice Amount: \$8.00
Parks - Invoice #43129 - Chain Saw Sharpening			Check Date: 08/13/2018
	101-691-931.000	Inv. # 43129 (attached)	8.00
DON'S SMALL ENGINE			Invoice Amount: \$23.97
Parks - Invoice #43280 - 3 oil filters for monthly			Check Date: 08/13/2018
	101-691-931.000	Inv. # 43280 (attached)	23.97
EctoHR, Inc.			Invoice Amount: \$7,000.00
EctoHR - July 2018 Services - Invoice # 10060			Check Date: 08/13/2018
	101-171-818.200	3.9- HR Cons. & Admin-Presidential Level	780.00

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VENDOR INFORMATION**INVOICE INFORMATION**

	101-171-818.200	11.2 -HR Cons&Admin-Manager Level	1,680.00
	101-171-818.200	32.7- HR Cons&Admin-Generalist Level	4,407.00
	101-171-818.200	1.4 -HR Cons&Admin - Coordinator Level	133.00
ELLSWORTH INDUSTRIES		Invoice Amount:	\$1,118.03
Sand delivered 7/13/18		Check Date:	08/13/2018
	592-291-935.000	C1 Sand Trk 115	553.73
	592-291-935.000	C1 Sand Trk 115	564.30
E S R I, INC.		Invoice Amount:	\$400.00
annual basic single use		Check Date:	08/13/2018
	101-336-824.000	Annual basic single use	400.00
FASTENAL COMPANY		Invoice Amount:	\$46.29
Gate Valve Repair		Check Date:	08/13/2018
	592-291-932.000	5/8" -112/2 FHN (60)	36.30
	592-291-932.000	S/S HCS 5/8-11x2 3/4 (3)	7.49
	592-291-932.000	S/S HCS 5/8-11x2 3/4 (1)	2.50
FASTENAL COMPANY		Invoice Amount:	\$273.70
Gate Valve Repair		Check Date:	08/13/2018
	592-291-932.000	5/8"-11 S/S FHN (40)	24.20
	592-291-932.000	S/S HCS 5/8-11x2 3/4 (100)	249.50
FEDEX		Invoice Amount:	\$87.09
Waste Toner Cartridge Shipped Inv. 6-241-07153		Check Date:	08/13/2018
	101-305-727.000	Emergency Purchase - Copier not working	87.09
FIFER INVESTIGATIONS, LLC		Invoice Amount:	\$1,900.00
Background Investigation for Jackson Chalmers (P		Check Date:	08/13/2018
	101-305-818.000	BI on Jackson Chalmers (PD)	1,900.00
FIRE MODULES LLC		Invoice Amount:	\$1,199.00
Annual Cad renewal		Check Date:	08/13/2018
	101-336-824.000	Annual renewal date	1,199.00
GHD, Inc.		Invoice Amount:	\$7,503.68
Condition Assessment 5/20/18-6/23/18		Check Date:	08/13/2018
	592-291-938.000	Condition Assessment 5/20/18-6/23/18	7,503.68
VAG USA, LLC		Invoice Amount:	\$7,695.07
PRV Kits		Check Date:	08/13/2018
	592-443-937.000	Kit WR GAI & GAV Stand R14	2,892.00
	592-443-937.000	Kit WR GAI & GAV Standard R12	899.00
	592-443-937.000	Kit WR GAVSCO Standard R8	2,192.00
	592-443-937.000	Kit WS GAI Standard GA8W	548.00
	592-443-937.000	Kit WS GAI Standard GA 10W	660.00
	592-443-937.000	P1REL/RED Kit 3/4 to 1 Relief	492.00
	592-443-937.000	Freight	12.07
VAG USA, LLC		Invoice Amount:	\$1,308.68
PRV Kits		Check Date:	08/13/2018
	592-443-937.000	Kit 1/2 x 7 Pilot & Valve P7	1,300.00
	592-443-937.000	Freight	8.68
GFL Environmental USA, Inc.		Invoice Amount:	\$195.00
DPW RECYCLE CENTER		Check Date:	08/13/2018
	226-226-810.500	07/05/18 - CARDBOARD/PAPER RECYCLE	195.00

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VENDOR INFORMATION**INVOICE INFORMATION**

GENPOWER PRODUCTS INC. Sta#2 generator repair <i>101-336-851.000</i>	<i>Sta#2 generator repair</i>	Invoice Amount: Check Date:	\$409.50 08/13/2018 <i>409.50</i>
GERALD ALCOCK COMPANY, LLC Appraisal of 46555 Port Street - Invoice # 19153 <i>101-290-818.000</i>	<i>Appraisal of 46555 Port Street</i>	Invoice Amount: Check Date:	\$2,250.00 08/13/2018 <i>2,250.00</i>
Great Lakes Ace Hardware Set Up 2018 Blanket PO <i>101-691-931.000</i>	<i>2018 Blanket PO</i>	Invoice Amount: Check Date:	\$158.58 08/13/2018 <i>158.58</i>
HALT FIRE INC R2 rear brake work <i>101-336-863.000</i>	<i>R2 Brake work</i>	Invoice Amount: Check Date:	\$7,120.31 08/13/2018 <i>7,120.31</i>
HALT FIRE INC E3 PM, bolts, lights, fluid & greased pump <i>101-336-863.000</i>	<i>E3 PM, bolts, lights, fluid & greased pu</i>	Invoice Amount: Check Date:	\$1,189.80 08/13/2018 <i>1,189.80</i>
HALT FIRE INC E2 PM, srv pump, bulb & lights <i>101-336-863.000</i>	<i>E2 PM, pump service, bulb and lights</i>	Invoice Amount: Check Date:	\$918.38 08/13/2018 <i>918.38</i>
HALT FIRE INC 2 water leak rep. and new slide pins <i>101-336-863.000</i>	<i>E2 water pump, slide pins replaced</i>	Invoice Amount: Check Date:	\$2,705.48 08/13/2018 <i>2,705.48</i>
HALT FIRE INC 1 repl switch, repl. handle <i>101-336-863.000</i>	<i>E1 switch and handle</i>	Invoice Amount: Check Date:	\$534.48 08/13/2018 <i>534.48</i>
HALT FIRE INC E3 Frt brakes, pins & bushings <i>101-336-863.000</i>	<i>E3 Frt brakes, pins and bushings</i>	Invoice Amount: Check Date:	\$6,151.43 08/13/2018 <i>6,151.43</i>
HALT FIRE INC R2 replaced starter <i>101-336-863.000</i>	<i>R2 Replaced starter</i>	Invoice Amount: Check Date:	\$1,500.59 08/13/2018 <i>1,500.59</i>
HALT FIRE INC E3 Wire connection repaired <i>101-336-863.000</i>	<i>E3 Wire connection repair</i>	Invoice Amount: Check Date:	\$329.50 08/13/2018 <i>329.50</i>
HALT FIRE INC R3 Replaced clamps <i>101-336-863.000</i>	<i>R3 Replaced clamps</i>	Invoice Amount: Check Date:	\$223.00 08/13/2018 <i>223.00</i>
HALT FIRE INC E2 Adjusted exhaust <i>101-336-863.000</i>	<i>E2 Adjusted exhaust</i>	Invoice Amount: Check Date:	\$272.00 08/13/2018 <i>272.00</i>
HALT FIRE INC A2 replaced fuse <i>101-336-863.000</i>	<i>A2 Replaced fuse</i>	Invoice Amount: Check Date:	\$147.00 08/13/2018 <i>147.00</i>

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HEILEMAN, JAMES CHANGE MOTION SENSOR TO SWITCH. <i>592-172-776.000</i>	<i>BY-PASS MOTION SENSORS ON 2ND FLOOR</i>	Invoice Amount: Check Date:	\$150.00 08/13/2018 <i>150.00</i>
HEMING, POLACZYK, CRONIN, SMITH, Legal Services June 2018 (KEVIN BENNETT) <i>101-290-825.000</i> <i>101-290-827.000</i> <i>101-290-826.000</i> <i>101-290-826.000</i> <i>101-290-826.000</i> <i>101-336-826.000</i> <i>101-290-826.000</i>	<i>Ordinance Prosecutions</i> <i>Community Development</i> <i>Admin</i> <i>Misc.</i> <i>Building Dept.</i> <i>Fire</i> <i>Public Services</i>	Invoice Amount: Check Date:	\$10,411.00 08/13/2018 <i>5,355.00</i> <i>1,128.75</i> <i>2,808.75</i> <i>3.50</i> <i>433.12</i> <i>196.88</i> <i>485.00</i>
HUMANE SOCIETY OF HURON VALLEY Stray Impound Services - June 2018 Inv. 201806 <i>101-305-819.000</i>	<i>Stray Impound Services</i>	Invoice Amount: Check Date:	\$150.00 08/13/2018 <i>150.00</i>
RICOH USA, INC. Service agreement <i>592-172-818.000</i> <i>101-253-727.000</i>	<i>Ricoh 7/1/18 to 9/30/18</i> <i>Ricoh 7/1/18 to 9/30/18</i>	Invoice Amount: Check Date:	\$310.81 08/13/2018 <i>239.58</i> <i>71.23</i>
J & B MEDICAL SUPPLY INC medical supplies <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i>	<i>xl gloves</i> <i>lg gloves</i> <i>md gloves</i> <i>adult collars</i> <i>ped collars</i> <i>catheter</i> <i>End tubes</i> <i>end tubes</i> <i>End tubes</i> <i>coveralls</i> <i>kits</i> <i>ambu king set</i> <i>king kits</i> <i>lancets</i>	Invoice Amount: Check Date:	\$1,224.07 08/13/2018 <i>75.72</i> <i>126.20</i> <i>126.20</i> <i>110.10</i> <i>66.06</i> <i>110.00</i> <i>38.08</i> <i>54.70</i> <i>54.10</i> <i>5.31</i> <i>106.50</i> <i>142.00</i> <i>163.20</i> <i>45.90</i>
J & B MEDICAL SUPPLY INC medical supplies <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i> <i>101-336-836.000</i>	<i>xl gloves</i> <i>ext sets</i> <i>underpads</i> <i>coveralls</i>	Invoice Amount: Check Date:	\$609.81 08/13/2018 <i>50.48</i> <i>383.00</i> <i>43.58</i> <i>132.75</i>
AIRPORT LIGHTING EMPLOYEE OWNED LLC TOWNSHIP PARK LIGHTING PROJECT - WC GRA <i>101-691-978.000</i>	<i>CONTRACTOR PAY - TWP PARK LIGHTING PRO</i>	Invoice Amount: Check Date:	\$60,100.00 08/13/2018 <i>60,100.00</i>
KONICA MINOLTA BUSINESS SOLUTIONS Maintenance 6/1/18-6/30/18 <i>101-171-727.000</i> <i>101-201-851.000</i> <i>101-400-851.000</i> <i>226-226-727.000</i>	<i>C454e Copier Maintenance</i> <i>Maint.</i> <i>Maint.</i> <i>Maint.</i>	Invoice Amount: Check Date:	\$193.09 08/13/2018 <i>40.55</i> <i>7.72</i> <i>9.65</i> <i>9.65</i>

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VENDOR INFORMATION	INVOICE INFORMATION		
	592-172-818.000	Maint	125.52
KONICA MINOLTA BUSINESS SOLUTIONS			Invoice Amount: \$692.92
Copy charges - June 2018			Check Date: 08/13/2018
	101-371-727.000	Color Copies - Bldg	167.51
	101-371-727.000	B&W Copies - Bldg	17.82
	101-215-727.000	Color Copies - Clerk	477.41
	101-215-727.000	B&W Copies - Clerk	30.18
KONICA MINOLTA BUSINESS SOLUTIONS			Invoice Amount: \$81.72
Maint. Agreement - Bizhub C364E Inv. 900480517			Check Date: 08/13/2018
	101-305-851.000	6/26/18 - 7/25/18 coverage dates	81.72
KSS Enterprises			Invoice Amount: \$145.99
BLANKET PO 2018			Check Date: 08/13/2018
	101-691-931.000	BLANKET PO 2018	145.99
KSS Enterprises			Invoice Amount: \$82.84
BLANKET PO 2018			Check Date: 08/13/2018
	101-691-931.000	BLANKET PO 2018	82.84
KSS Enterprises			Invoice Amount: \$234.20
BLANKET PO 2018			Check Date: 08/13/2018
	101-691-931.000	BLANKET PO 2018	234.20
LEO'S CONEY ISLAND			Invoice Amount: \$295.26
Prisoner Meals 6/5/18 - 7/15/18			Check Date: 08/13/2018
	101-325-818.400	Prisoner Meals	295.26
AutoZone			Invoice Amount: \$24.17
Tire Plug Kit & Supplies			Check Date: 08/13/2018
	592-291-851.000	Deluxe Reamer PLU SKU 486793	9.29
	592-291-851.000	Rubber Cement SKU 487520	5.59
	592-291-851.000	Plug Pack 30 St SKU 542356	9.29
AutoZone			Invoice Amount: \$60.95
Vehicle accessories			Check Date: 08/13/2018
	101-336-863.000	Vehicle accessories	60.95
M H R BILLING SERVICES			Invoice Amount: \$612.00
Monthly Billing fee			Check Date: 08/13/2018
	101-336-959.000	Monthly Billing Fee	612.00
MAIN STREET AUTO WASH			Invoice Amount: \$430.00
June and July (through 7/9/18) Car Washes			Check Date: 08/13/2018
	101-305-863.000	Police Vehicles	400.00
	101-371-863.000	Building Vehicles	30.00
MCKENNA ASSOCIATES INC			Invoice Amount: \$4,553.50
Professional Services - Professional Services -June			Check Date: 08/13/2018
	101-371-818.500	Atd at & prep Mtgs - (5.5 hours @ \$97)	533.50
	101-371-818.500	2274: 15075 Beck Rd. Final Site Plan rev	575.00
	101-371-818.500	2282-0418: Beck Rd. Hotel Land Comb	410.00
	101-371-818.500	2288: Lot combo: Andover Forest	410.00
	101-371-818.500	2278: Shell Plaza Drive thru Addtn	325.00
	101-371-818.500	2293: 40600 Ann Arbor Trail Use Variance	750.00
	101-371-818.500	2297: 1498 Sheldon Road, ABC Sign	200.00
	101-371-818.500	2295: 45000 Helm St. Renovations -Admin	650.00

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VENDOR INFORMATION	INVOICE INFORMATION		
	101-371-818.500	2235: Artic Pond Ice Arena Lands. Ob.	350.00
	101-371-818.500	2236: Oerlikon-Landscape Observation	350.00
MERCHANTS & MEDICAL CREDIT CORP, IN		Invoice Amount:	\$81.38
transport collection fees		Check Date:	08/13/2018
	101-336-959.000	Collection billing fee	81.38
ELECTION SOURCE		Invoice Amount:	\$533.54
Precinct Kits for Electronic Poll Books (PK-4010-EP		Check Date:	08/13/2018
	101-262-727.000	Precinct Kits for electronic poll books	487.50
	101-262-727.000	shipping	20.00
	101-262-727.000	ADDL SHIPPING	26.04
ELECTION SOURCE		Invoice Amount:	\$200.61
Ballots for ICX machines, primary ballot marking i		Check Date:	08/13/2018
	101-262-727.000	(100) ballots ICX Machines 9001 - 9100	131.88
	101-262-727.000	shipping	12.00
	101-262-727.000	MI-505 primary ballot marking instr	50.00
	101-262-727.000	ADDL SHIPPING	6.73
ELECTION SOURCE		Invoice Amount:	\$5,520.00
Carts for use with the Dominion ImageCast X Voti		Check Date:	08/13/2018
	101-262-978.000	ICX Voting Machine Carts	5,400.00
	101-265-978.000	DELIVERY	120.00
MICHIGAN CAT		Invoice Amount:	\$1,150.42
Skid Steer CAT		Check Date:	08/13/2018
	592-291-851.000	PARTS AND LABOR	1,150.42
State of Michigan		Invoice Amount:	\$2,667.71
UIA - Employer Billing for Benefit Charges - Kidd		Check Date:	08/13/2018
	101-691-714.000	UIA -Employer Billing -Kidd	847.59
	101-336-714.000	UIA - Employer Billing-McCreedy	1,820.12
MICHIGAN,STATE OF,MI DPT EN L EC GR		Invoice Amount:	\$300.00
MICHIGAN INSPECTOR REGISTRATION RENEWA		Check Date:	08/13/2018
	101-371-958.000	MARK A. LEWIS 2417	150.00
	101-371-958.000	KEN MACDONALD	150.00
Ferguson Waterworks #3386		Invoice Amount:	\$94.67
Meter Head for Huntington Park Seasonal		Check Date:	08/13/2018
	592-172-780.000	REG 1-1/2 T10 ECDR USG	86.00
	592-172-780.000	DELIVERY	8.67
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms		Check Date:	08/13/2018
	592-172-758.000	7/27/18	84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms		Check Date:	08/13/2018
	592-172-758.000	7/20/18	84.35
NORTHERN LAKE SERVICE, INC.		Invoice Amount:	\$1,120.50
DW Samples received on 6/14/18		Check Date:	08/13/2018
	592-172-818.100	Alcohols-EPA Method 541	270.00
	592-172-818.100	HAA9- EPA Method 552.3	157.50
	592-172-818.100	Pesticides-EPA Method 525.3	315.00
	592-172-818.100	SVOCs- EPA Method 530	297.00

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VENDOR INFORMATION**INVOICE INFORMATION**

	592-172-818.100	UCMR4- Metal EPA 200.8	81.00
OBSERVER & ECCENTRIC NEWSPAPERS			Invoice Amount: \$43.44
Police Auction Ad Inv. 0001771210 6/17/18			Check Date: 08/13/2018
	101-305-727.000	Canton Observer 6/27/18	21.72
	101-305-727.000	Plymouth Observer 6/27/18	21.72
OFFICE DEPOT			Invoice Amount: \$143.76
Office Supplies Inv. 166143845001 7/19/18			Check Date: 08/13/2018
	101-325-727.000	Communications Office Supplies	143.76
OFFICE DEPOT			Invoice Amount: \$104.60
Office Supplies Inv. 166145446001 7/19/18			Check Date: 08/13/2018
	101-305-727.000	Police Dept. Office Supplies	104.60
OFFICE DEPOT			Invoice Amount: \$51.27
Office Supplies Inv. 170671073001 7/26/18			Check Date: 08/13/2018
	101-305-727.000	Police Dept. Office Supplies	51.27
OFFICE DEPOT			Invoice Amount: \$17.59
BT adapter & pens			Check Date: 08/13/2018
	101-336-727.000	GBU521 Bluetooth adapter	17.59
OFFICE DEPOT			Invoice Amount: \$38.53
BT adapter & pens			Check Date: 08/13/2018
	101-336-727.000	pens (3) boxes	38.53
OFFICE DEPOT			Invoice Amount: \$199.98
July Supplies 2018			Check Date: 08/13/2018
	592-172-727.000	Office Supplies Misc.	106.39
	226-226-727.000	Printer Toner - S. Visel	93.59
OFFICE DEPOT			Invoice Amount: \$203.99
July Supplies 2018			Check Date: 08/13/2018
	592-172-727.000	Office Supplies Misc.	203.99
OFFICE DEPOT			Invoice Amount: \$196.44
Office Supplies Inv. 169777151001 7/25/18			Check Date: 08/13/2018
	101-305-727.000	Police Dept. Office Supplies	196.44
OAKLAND COUNTY			Invoice Amount: \$650.00
Out-County GIS Data Inv. INF0002327 6/30/2018			Check Date: 08/13/2018
	101-325-818.000	GIS DATA - April-June, 2018	650.00
OAKLAND COUNTY			Invoice Amount: \$2,038.04
Apr-June software fees			Check Date: 08/13/2018
	101-336-824.000	Clemis software and lic fees Apr-Jun	2,038.04
ORCHARD, HILTZ, & MCCLIMENT, INC.			Invoice Amount: \$552.50
Contract admin - Plymouth Commons SAD			Check Date: 08/13/2018
	805-805-970.300	Contract admin - Plymouth Commons SAD	552.50
PHILLIPS PRO SYSTEMS, LLC			Invoice Amount: \$645.00
Roller and screen replacement incl installation			Check Date: 08/13/2018
	101-215-851.000	Roller and screen repl Board Room	645.00

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VENDOR INFORMATION**INVOICE INFORMATION**

PLYMOUTH RUBBER & TRANSMISSION		Invoice Amount:	\$6.16
equipment parts		Check Date:	08/13/2018
	101-336-851.000 washers		6.16
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$16,220.75
Plymouth Township - Water/Sewer -August 2018		Check Date:	08/13/2018
	101-171-921.000 Supervisor		33.76
	101-201-921.000 Information Services		18.07
	101-209-921.000 Assessors		9.67
	101-215-921.000 Clerk		29.34
	101-253-921.000 Treasurer		12.25
	101-265-854.000 Township Hall		1,202.89
	101-305-921.000 Police		96.97
	101-325-921.000 Communications/Dispatch		20.19
	101-336-921.000 Fire		4,648.43
	101-371-921.000 Building		21.26
	101-371-921.500 Community Development		11.91
	101-691-921.000 Park		8,827.42
	226-226-921.000 Solid Waste		2.80
	592-172-921.000 DPW Admin / General Expense		945.05
	510-510-737.000 Golf Course		189.90
	592-444-745.000 Power and Pumping		53.87
	588-588-921.000 Friendship Station		76.78
	101-325-921.400 Dispatch (Admin)		20.19
PLYMOUTH-CANTON COMMUNITY SCHOOLS		Invoice Amount:	\$4,190.29
June Fuel Inv. 002342 6/30/18		Check Date:	08/13/2018
	101-305-863.000 Patrol Vehicles		4,153.87
	101-325-963.000 PSA Vehicle		36.42
PLYMOUTH-CANTON COMMUNITY SCHOOLS		Invoice Amount:	\$570.89
JUNE FUEL INVOICE		Check Date:	08/13/2018
	101-371-863.000 INVOICE 002342		570.89
POLICEONE.COM		Invoice Amount:	\$325.00
Taser CEW Instructor Certification Trg. Inv. 3362		Check Date:	08/13/2018
	101-305-960.000 Detective Smitherman - 9/10/18		325.00
POWERPHONE INC.		Invoice Amount:	\$229.00
Stress Identification & Management Training Inv.		Check Date:	08/13/2018
	101-325-960.000 PSA Berezak (on-line course)		229.00
PROGRESSIVE PRINTING		Invoice Amount:	\$333.00
DPW Binders		Check Date:	08/13/2018
	592-172-727.000 DPW laminate binders - Utility maps		333.00
PROMOZING		Invoice Amount:	\$138.00
12 x 18 precinct map copies on 100 # paper and 1		Check Date:	08/13/2018
	101-262-727.000 (250) precinct map copies 12x18 (100#)		100.00
	101-262-727.000 (13) 16 pt card stock 12x18 precinct maps		18.00
	101-262-727.000 Graphic charge		20.00
PROMOZING		Invoice Amount:	\$298.00
Printing - 200 copies EPB Manual for Election Insp		Check Date:	08/13/2018
	101-262-727.000 EPB Manual for Election Inspectors		298.00

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VENDOR INFORMATION**INVOICE INFORMATION**

AIRGAS USA, LLC Oxygen for Cutting Torch	592-291-851.000 592-291-851.000 592-291-851.000 592-291-851.000 592-291-851.000	Oxygen Industrial 80 CCGA 540 Acetylene Industrial 3 Cap Cyl 3 1/8" x 11" HP OXY FNE Cap Cyl 3 1/2" x 11" ACET FNE Hazmat Charge	Invoice Amount: Check Date:	\$127.78 08/13/2018 29.93 67.50 10.00 10.00 10.35
AIRGAS USA, LLC Oxygen bottles	101-336-836.000 101-336-836.000	Oxygen bottle rental hazmat chg	Invoice Amount: Check Date:	\$335.24 08/13/2018 297.29 37.95
RAS Engineering, LLC New Vehicle Build Inv. 2455 6-28-18	101-305-863.000	Equipment Install Veh 18-1 Ford Utility	Invoice Amount: Check Date:	\$5,510.66 08/13/2018 5,510.66
SAFELITE FULFILLMENT, INC. Window Replacement #408	592-291-863.000	Drivers side window #408	Invoice Amount: Check Date:	\$397.98 08/13/2018 397.98
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 1	101-691-931.000	INVOICE 33530 PLYMOUTH TOWNSHIP PARK	Invoice Amount: Check Date:	\$1,253.34 08/13/2018 1,253.34
SERENE LANDSCAPE GROUP FERTILIZATION ROUND 1	101-691-931.000	INVOICE 33529 BRENTWOOD PARK	Invoice Amount: Check Date:	\$126.67 08/13/2018 126.67
SERENE LANDSCAPE GROUP FERTILIZATION ROUND 1	101-691-931.000	INVOICE 33528 LAKE POINT SOCCER PARK	Invoice Amount: Check Date:	\$445.00 08/13/2018 445.00
SERENE LANDSCAPE GROUP FERTILIZATION ROUND 1	592-172-776.000	INVOICE 33527 DPW BUILDING	Invoice Amount: Check Date:	\$57.50 08/13/2018 57.50
SERENE LANDSCAPE GROUP FERTILIZATION ROUND 1	101-691-931.000	INVOICE 33526 PLYMOUTH POINTE PARK	Invoice Amount: Check Date:	\$102.75 08/13/2018 102.75
SERENE LANDSCAPE GROUP FERTIZATION ROUND 1	101-691-931.000	INVOICE 33525 MILLER FAMILY PARK	Invoice Amount: Check Date:	\$262.50 08/13/2018 262.50
SERENE LANDSCAPE GROUP FERTILIZATION ROUND 1 LANDSCAPE MAINTEN	101-265-858.000	INVOICE 33524	Invoice Amount: Check Date:	\$1,080.00 08/13/2018 1,080.00
SERENE LANDSCAPE GROUP WEED CONTROL FERTILIZATION ROUND 1	101-336-776.000	INVOICE 33523	Invoice Amount: Check Date:	\$85.00 08/13/2018 85.00
SERENE LANDSCAPE GROUP WEED CONTROL	101-336-776.000	INVOICE 3522	Invoice Amount: Check Date:	\$111.25 08/13/2018 111.25

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VENDOR INFORMATION**INVOICE INFORMATION**

SERENE LANDSCAPE GROUP WEED CONTROL 101-265-776.000	INVOICE 33502	Invoice Amount: Check Date:	\$787.50 08/13/2018 787.50
SITE ONE LANDSCAPE SUPPLY TO CLEAR CREDIT ON ACCT FROM 8/14/17 \$1.55 101-691-931.000	TO CLEAR CREDIT ON ACCT	Invoice Amount: Check Date:	\$(25.53) 08/13/2018 (25.53)
SITE ONE LANDSCAPE SUPPLY Repair for Soccer Park Irrigation West Pointe Park 101-691-931.000 101-691-931.000 101-691-931.000 101-691-931.000	1 X 300 Ft 80 lb Utility Non-Nsf Poly 765 Pressure Vacuum Breaker 3/4 W/Bv Feb 3/4 Comb Male Ell Poly Fitting 31Lx26Wx21H Fieldstone Rock Asse Dekorra	Invoice Amount: Check Date:	\$327.84 08/13/2018 73.80 88.14 1.65 164.25
SITE ONE LANDSCAPE SUPPLY Repair for Soccer Park Irrigation 101-691-931.000	Toro 640- Full Cr.	Invoice Amount: Check Date:	\$207.36 08/13/2018 207.36
SOUND ENGINEERING Sta#1 speakers 101-336-851.000	Checked Station #1 speakers needing repa	Invoice Amount: Check Date:	\$116.00 08/13/2018 116.00
SOURCE 1 MAINTENANCE repair and replace aluminum on bldg Sta#3 101-336-776.000	Repair & Repl aluminum on Sta#3	Invoice Amount: Check Date:	\$250.00 08/13/2018 250.00
SPALDING DEDECKER ASSOCIATES, INC. Spalding DeDecker - July 27, 2018 Invoice (minus 101-371-818.500 101-371-818.500 101-371-818.500 101-691-818.000 592-172-818.000 592-172-818.000 101-371-818.500	Inv. # 76998-Beck Hotel- PLANNING Inv # 77039-45000 Helm St. - PLANNING Inv # 77041 -- Hillside Reside -PLANNING Inv# 77062-Twp.Park Ball Fld Lighting Inv# 77080-Ply. Eng. Standards Inv# 77082 -Ply.Twp - MS4 Assistance Inv.# 76999 - June 2018 Monthly Retainer	Invoice Amount: Check Date:	\$5,178.69 08/13/2018 650.00 650.00 400.00 1,125.00 527.00 1,305.00 521.69
SPARTAN DISTRIBUTORS Triac Board for OSMAC Reconditioned Unit 510-510-737.000 510-510-737.000	Triac Board for OSMAC Reconditioned Unit Freight	Invoice Amount: Check Date:	\$255.08 08/13/2018 246.96 8.12
SPARTAN DISTRIBUTORS Surge Board for LTC and OSMAC Toro Reconditio 510-510-737.000 510-510-737.000 510-510-737.000	Surge Board for LTC 1.1 & OSMAC TORO Rec Narrow Band RDR Decoder OSMAC Freight	Invoice Amount: Check Date:	\$683.43 08/13/2018 237.57 419.58 26.28
SPARTAN DISTRIBUTORS Repair leaking right front wheel motor Toro Grnd 510-510-737.000 510-510-737.000 510-510-737.000 510-510-737.000 510-510-737.000 510-510-737.000	Pick up & Delivery Motor-Wheel RH Hydraulic Fluid O'Ring Motor Wheel R & R Diagnostics Hydraulic	Invoice Amount: Check Date:	\$1,071.30 08/13/2018 125.00 707.23 19.95 1.12 196.20 21.80

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VENDOR INFORMATION**INVOICE INFORMATION****SPARTAN DISTRIBUTORS**

Repair Hydraulic Leak at pump drive gear box

510-510-737.000

Pick up & Delivery

510-510-737.000

Seal

510-510-737.000

Shop Stock Misc Parts

510-510-737.000

Gearbox 90 Degree pump drive

510-510-737.000

*Environmental Disposal Fee***Invoice Amount:****\$455.59****Check Date:****08/13/2018**

125.00

44.59

10.00

272.50

3.50

SPARTAN DISTRIBUTORS

Oil & Air Filters

510-510-737.000

Oil Filter, Proforce Greensmower

510-510-737.000

Filter - Oil

510-510-737.000

Oil Filter

510-510-737.000

Filter - Air

510-510-737.000

Filter - A/C Cartridge

510-510-737.000

Filter - Pre Cleaner

510-510-737.000

*Freight***Invoice Amount:****\$154.75****Check Date:****08/13/2018**

38.08

7.68

5.42

34.80

39.78

13.11

15.88

SPENCER OIL COMPANY

Oct Unl w/10% Ethanol 471.8 Gals

510-510-737.000

*Oct Unl w/10% Ethanol 471.8 Gals***Invoice Amount:****\$1,092.09****Check Date:****08/13/2018**

1,092.09

SPENCER OIL COMPANY

Hilltop Dyed Diesel Fuel 359.6 Gals

510-510-737.000

*Dyed Diesel Fuel 359.6 Gals***Invoice Amount:****\$872.84****Check Date:****08/13/2018**

872.84

SURE-FIT LAUNDRY CO.

Prisoner Blanket Cleaning Inv.398679 4/5/18

101-325-851.400

*Blanket Cleaning***Invoice Amount:****\$20.25****Check Date:****08/13/2018**

20.25

SURE-FIT LAUNDRY CO.

Prisoner Blanket Cleaning Inv.403491 7/12/18

101-325-851.400

*Blanket Cleaning***Invoice Amount:****\$20.25****Check Date:****08/13/2018**

20.25

SURE-FIT LAUNDRY CO.

Prisoner Blanket Cleaning Inv.404143 7/26/18

101-325-851.400

*Blanket Cleaning***Invoice Amount:****\$24.75****Check Date:****08/13/2018**

24.75

SURE-FIT LAUNDRY CO.

Prisoner Blanket Cleaning Inv.404480 8/2/18

101-325-851.400

*Blanket Cleaning***Invoice Amount:****\$31.50****Check Date:****08/13/2018**

31.50

3SI SECURITY SYSTEMS

Police Dept. Tracker - Inv. 0000566156 6/27/18

101-305-851.000

*Annual Usage - PD Tracker***Invoice Amount:****\$216.00****Check Date:****08/13/2018**

216.00

THYSSENKRUPP ELEVATOR CORPORATION

ELEVATOR MAINTENANCE

101-265-776.000

*INV 3003965452 SER 7/1/2018 TO 6/60/19***Invoice Amount:****\$2,964.38****Check Date:****08/13/2018**

2,964.38

TOWN ENGRAVER, INC.

Engraved Locker Plates for New Employee 7/18/18

101-305-758.000

Richardson, Goodwin & Nicely

101-305-758.000

*Shipping & Handling***Invoice Amount:****\$19.00****Check Date:****08/13/2018**

15.00

4.00

UPPER LEVEL GRAPHICS

Work on Taurus 14-1 Inv.18060 5/29/18

Invoice Amount:**\$35.00****Check Date:****08/13/2018**

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION	INVOICE INFORMATION		
	101-305-863.000	Remove SERGEANT off rear quarter panels	35.00
UPPER LEVEL GRAPHICS		Invoice Amount:	\$260.00
Explorer Unit 17-3 Inv. 18270 7/25/18		Check Date:	08/13/2018
	101-305-863.000	Passenger Side Complete	260.00
UPPER LEVEL GRAPHICS		Invoice Amount:	\$690.00
Explorer 18-2 and 18-3 Work Completed Inv.180		Check Date:	08/13/2018
	101-305-863.000	Digitally Printed "18-2" on sides/rear	495.00
	101-305-863.000	Cut vinyl graphics "18-3" on pass side	195.00
UPPER LEVEL GRAPHICS		Invoice Amount:	\$165.00
Speed Limit Trailer - Inv.18069 5/29/18		Check Date:	08/13/2018
	101-305-863.000	Digitally printed/cut reflective graphic	165.00
UPPER LEVEL GRAPHICS		Invoice Amount:	\$375.00
2018 F150 Unit 400 Digital Print and Cut Vinyl Gra		Check Date:	08/13/2018
	592-291-863.000	Graphics for Foreman's truck	375.00
WAYNE COUNTY		Invoice Amount:	\$131.00
6/18 Traffic Signal Energy		Check Date:	08/13/2018
	101-446-920.000	Traf Sig Energy 6/18	131.00
WAYNE COUNTY		Invoice Amount:	\$245.00
April 2018 Prisoner Housing Inv. 295858 7/18/18		Check Date:	08/13/2018
	101-305-832.000	April Prisoner Housing	245.00
WCA ASSESSING		Invoice Amount:	\$1,425.14
WCA Assessing -June 2018 Special Billing -Legal S		Check Date:	08/13/2018
	101-209-826.000	June 2018 Legal Services	1,425.14
WCA ASSESSING		Invoice Amount:	\$22,760.17
Appraisal Services Rendered August 2018		Check Date:	08/13/2018
	101-209-818.000	Appraisal Services Rendered	18,853.50
	101-209-818.000	Co-Star Services	156.67
	101-209-818.000	Appraisal Personnel	3,750.00
WEBQA, INC.		Invoice Amount:	\$2,460.00
FOIA Module - 6/1/18 - 5/31/19		Check Date:	08/13/2018
	101-290-941.000	Monthly Fee - FOIA Module	2,460.00
Thomas Reuters -WEST PAYMENT CENTER		Invoice Amount:	\$294.78
Clear Investigations Advanced Inv. 838459850 7/		Check Date:	08/13/2018
	101-305-960.000	June 1-30, 2018	294.78
Great Lakes Water Authority		Invoice Amount:	\$404,395.09
GLWA - June 2018 Water Usage Charges		Check Date:	08/13/2018
	592-441-741.000	GLWA June 2018 Water Usage	404,395.09
Wolverine Freightliner-Westside Inc		Invoice Amount:	\$766.47
Unit #409 Oil Change/PM		Check Date:	08/13/2018
	592-291-973.033	Unit #409 service & parts	766.47
Dell Financial Services		Invoice Amount:	\$472.05
Dell Lease		Check Date:	08/13/2018
	267-300-978.500	Police Dept Computer Lease (48 Months)	472.05

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

VENDOR INFORMATION**INVOICE INFORMATION**

Dell Financial Services		Invoice Amount:	\$513.08
Dell Lease		Check Date:	08/13/2018
	101-253-978.500	Treasury Dept Computers (48 Months)	171.00
	101-215-978.500	Clerk Dept Computer Lease (48 Months)	299.32
	101-371-978.500	Building Dept Computer Lease (48 months)	42.76
FLOW FREE SEWER AND DRAINS LLC		Invoice Amount:	\$1,925.00
TESTING OF 21 BACKFLOW ASSEMBLIES		Check Date:	08/13/2018
	101-691-931.000	INVOICE 04842	325.00
	101-265-776.000	INVOICE 04842	350.00
	592-172-776.000	INVOICE 04842	275.00
	101-336-776.000	INVOICE 04842	975.00
Total Amount to be Disbursed:			\$666,869.04

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

*Wetley
8/10/18*

VENDOR INFORMATION

INVOICE INFORMATION

ALERUS FINANCIAL

Defined Contribution - PAYDATE August 3, 2018
 101-325-714.050
 101-100-231.000
 101-305-714.030

*Define Contribution -Dispatch (Employer)
 Employee Cont -all
 Define Contribution-Police (ER)*

Invoice Amount: \$4,365.47
Check Date: 08/08/2018
 1,593.00
 1,091.40
 1,681.07

A T & T

AT&T - Telephone Allocation July 2018 - Acct. 73
 101-201-853.000
 101-209-853.000
 101-371-853.000
 101-336-853.000
 101-305-853.000
 101-171-853.000
 101-253-853.000
 101-215-853.000
 101-371-853.500
 101-325-853.000
 101-265-854.000
 101-691-853.000
 592-172-853.000

*Information Services
 Assessing
 Building
 Fire
 Police
 Supervisor
 Treasurer
 Clerk
 Community Development
 Dispatch
 Township Hall
 Parks
 Water and Sewer*

Invoice Amount: \$1,232.51
Check Date: 08/08/2018
 84.28
 50.32
 140.29
 221.45
 224.35
 131.16
 111.89
 65.36
 52.22
 84.39
 20.04
 15.70
 31.06

C.O.A.M. - PLYMOUTH TOWNSHIP

COAM Union Deductions- August 2018
 101-100-232.050
 101-100-232.050
 101-100-232.050
 101-100-232.050
 101-100-232.050

*Fetner, William J.
 Krebs, Ryan
 Seipenko, Todd A.
 Hoffman, Marc
 Rupard, Bryan*

Invoice Amount: \$363.20
Check Date: 08/08/2018
 72.64
 72.64
 72.64
 72.64
 72.64

COMCAST

Comcast High Speed Internet - August 2018 - 995
 101-290-941.000

Comcast High Speed Internet August 2018

Invoice Amount: \$124.90
Check Date: 08/08/2018
 124.90

DTE ENERGY

DTE Service - Municipal Street Light July 2018 - A
 101-446-920.000

July 2018 Municipal Street Light

Invoice Amount: \$5,328.94
Check Date: 08/08/2018
 5,328.94

HARTFORD, THE

Insurance Premium Statement - August 2018 - sp
 101-171-714.000
 101-215-714.000
 101-201-714.000
 101-253-714.000
 101-305-714.000
 101-325-714.000
 101-336-714.000
 101-371-714.000
 588-588-714.000
 592-172-716.000
 101-265-714.000
 226-226-714.000
 592-291-714.000

*Supervisor's Dept.
 Clerk's Dept.
 IT Dept.
 Treasurer's Dept.
 Police
 Dispatch
 Fire
 Building
 Friendship Station
 Public Services
 Township Hall
 Solid Waste Dept.
 DPW (includes Supervision)*

Invoice Amount: \$6,968.14
Check Date: 08/08/2018
 261.81
 329.32
 96.75
 161.54
 2,338.16
 711.64
 1,720.31
 285.13
 48.81
 160.07
 50.10
 60.30
 744.20

JOHN HANCOCK LIFE INSURANCE CO.

JOHN HANCOCK EMPLOYEE CONTRIB 8-3-18 (spr)
 101-100-231.000

Employee Contribution (EEMBT)(EEVND)

Invoice Amount: \$4,472.80
Check Date: 08/08/2018
 4,472.80

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

101-100-232.030	Bartlett, James	55.00
101-100-232.030	Krueger, Randy	58.00
101-100-232.030	Melow, Steven	58.00
101-100-232.030	Overaitis, Joseph	55.00
101-100-232.030	Scholten, James	55.00
101-100-232.030	Thomas, James	52.00
101-100-232.030	Nelson, David	50.00
101-100-232.030	Pumphrey, Zachary	46.00
101-100-232.030	Kitchen, Spencer	42.00

TECHNICAL, PROFESSIONAL AND OFFICE-

TPOAM Union Deductions - August 2018

Invoice Amount: \$496.00**Check Date: 08/08/2018**

101-100-232.060	Bonadeo, Karen E.	31.00
101-100-232.060	Bono, Jennifer A.	15.50
101-100-232.060	Devoto, Claudia P.	15.50
101-100-232.060	Gordon, Cheryl	31.00
101-100-232.060	Haack, David	31.00
101-100-232.060	Jowsey, Nancy	31.00
101-100-232.060	Kline, Anne E.	15.50
101-100-232.060	Latawiec, Kelly	31.00
101-100-232.060	Leclair, Diane L.	31.00
101-100-232.060	MacDonald, Kenneth E.	31.00
101-100-232.060	Martin, Carol R.	31.00
101-100-232.060	Palmarchuk, Cheri	31.00
101-100-232.060	Pumphrey, Kathryn	31.00
101-100-232.060	Truesdell, Mary Ann	15.50
101-100-232.060	Visel, Sarah J.	31.00
101-100-232.060	Geletzke, Alice	15.50
101-100-232.060	Cobb, Kate	31.00
101-100-232.060	Ciarelli, Joan	15.50
101-100-232.060	Richardson, Mike	15.50
101-100-232.060	MacDonell, Carol	15.50

VERIZON WIRELESS

August 2018 Wireless Billing Acct #2 MI DEAL AC

Invoice Amount: \$845.54**Check Date: 08/08/2018**

592-291-853.000	DPW	406.04
101-201-853.000	Info services wireless devices	0.24
101-336-853.000	Fire wireless devices	200.05
101-691-853.000	Park foreman wireless device iPad	40.01
588-588-853.000	Friendship Station	108.68
101-325-853.000	Dispatch	51.87
226-226-853.000	Solid Waste - Sarah Visel	51.32
805-805-970.005	Cap. Proj. SAD Fund	(12.67)

Gelco Corporation

P78-999-00-2014-077 2018 July BOR Refund

Invoice Amount: \$45.78**Check Date: 08/08/2018**

703-100-061.010	2018 July BOR Refund	45.78
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Total Amount to be Disbursed: \$60,047.74

Charter Township of Plymouth
 AP Invoice Listing - Board Report

*P. Bond
8/8/18*

VENDOR INFORMATION

INVOICE INFORMATION

36TH DISTRICT COURT POLICE BOND 08/03/2018	<i>702-100-087.000</i>	<i>7706</i>	Invoice Amount: Check Date:	\$200.00 08/04/2018 <i>200.00</i>
35TH DISTRICT COURT POLICE BOND 08/03/2018	<i>702-100-087.000</i>	<i>7705</i>	Invoice Amount: Check Date:	\$130.00 08/04/2018 <i>130.00</i>
35TH DISTRICT COURT POLICE BOND 08/06/2018	<i>702-100-087.000</i> <i>702-100-087.000</i>	<i>7707</i> <i>7708</i>	Invoice Amount: Check Date:	\$325.00 08/04/2018 <i>300.00</i> <i>25.00</i>
35TH DISTRICT COURT POLICE BOND 08/01/2018	<i>702-100-087.000</i>	<i>7704</i>	Invoice Amount: Check Date:	\$100.00 08/04/2018 <i>100.00</i>
57TH DISTRICT COURT POLICE BOND 07/23/2018	<i>702-100-087.000</i>	<i>7692</i>	Invoice Amount: Check Date:	\$300.00 08/04/2018 <i>300.00</i>
			Total Amount to be Disbursed:	\$1,055.00

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

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P. Bond
8/1/18

VENDOR INFORMATION

INVOICE INFORMATION

34TH DISTRICT COURT POLICE BOND 07/30/2018	<i>702-100-087.000</i>	<i>7703</i>	Invoice Amount: Check Date:	\$1,030.00 07/30/2018 <i>1,030.00</i>
35TH DISTRICT COURT POLICE BOND 07/30/2018	<i>702-100-087.000</i>	<i>7699</i>	Invoice Amount: Check Date:	\$1,300.00 07/30/2018 <i>300.00</i>
	<i>702-100-087.000</i>	<i>7700</i>		<i>500.00</i>
	<i>702-100-087.000</i>	<i>7701</i>		<i>200.00</i>
	<i>702-100-087.000</i>	<i>7702</i>		<i>300.00</i>
35TH DISTRICT COURT POLICE BOND 07/27/2018	<i>702-100-087.000</i>	<i>7698</i>	Invoice Amount: Check Date:	\$100.00 07/30/2018 <i>100.00</i>
35TH DISTRICT COURT POLICE BOND 07/19/2018	<i>702-100-087.000</i>	<i>7691</i>	Invoice Amount: Check Date:	\$300.00 07/30/2018 <i>300.00</i>
35TH DISTRICT COURT POLICE BOND 07/23/2018	<i>702-100-087.000</i>	<i>7693</i>	Invoice Amount: Check Date:	\$300.00 07/30/2018 <i>200.00</i>
	<i>702-100-087.000</i>	<i>7694</i>		<i>100.00</i>
35TH DISTRICT COURT POLICE BOND 07/16/2018	<i>702-100-087.000</i>	<i>7687</i>	Invoice Amount: Check Date:	\$2,610.00 07/30/2018 <i>500.00</i>
	<i>702-100-087.000</i>	<i>7688</i>		<i>1,800.00</i>
	<i>702-100-087.000</i>	<i>7689</i>		<i>60.00</i>
	<i>702-100-087.000</i>	<i>7690</i>		<i>250.00</i>
35TH DISTRICT COURT POLICE BOND 07/13/2018	<i>702-100-087.000</i>	<i>7685</i>	Invoice Amount: Check Date:	\$2,626.00 07/30/2018 <i>600.00</i>
	<i>702-100-087.000</i>	<i>7686</i>		<i>2,026.00</i>
			Total Amount to be Disbursed:	\$8,266.00

Charter Township of Plymouth
 AP Invoice Listing - Board Report

Refund
 8/11/18 Page: 1/1

VENDOR INFORMATION

INVOICE INFORMATION

SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$115.00
BD Bond Refund			Check Date:	07/29/2018
	701-100-202.701	BE18-0021		115.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,105.00
BD Bond Refund			Check Date:	07/29/2018
	701-100-202.701	BE18-0005		1,105.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$517.50
BD Bond Refund			Check Date:	07/29/2018
	701-100-202.701	BE18-0023		517.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,057.50
BD Bond Refund			Check Date:	07/29/2018
	701-100-202.701	BE18-0002		1,057.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$397.50
BD Bond Refund			Check Date:	07/29/2018
	701-100-202.701	BE18-0006		397.50
TPC ROOFING			Invoice Amount:	\$72.91
2018 JBOR REFUND P-78-999-00-2016-074			Check Date:	07/29/2018
	703-000-202.000	ACCOUNTS PAYABLE		72.91
Total Amount to be Disbursed:				\$3,265.41

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

*Wadey
8/1/18*

VENDOR INFORMATION

INVOICE INFORMATION

ADP INC		Invoice Amount:	\$3,471.23
ADP EnterpriseTime & Workforce Now & Payroll S		Check Date:	08/01/2018
101-290-941.000	Enterprise eTime		2,304.45
101-290-941.000	Workforce Now		690.10
101-290-941.000	Payroll Services		476.68
BUONO, DUANE		Invoice Amount:	\$3,982.00
JULY 2018 MECHANICAL INSP PAY		Check Date:	08/01/2018
101-371-818.000	JULY 2018 PAY		3,982.00
COMCAST		Invoice Amount:	\$133.88
Monthly Cable and Internet Township Hall -(Xfinit		Check Date:	08/01/2018
101-290-941.000	7/18 & 8/18 Internet & Cable Twp Hall		133.88
COMCAST		Invoice Amount:	\$158.26
Comcast High Speed Internet - Township Park -A		Check Date:	08/01/2018
101-691-921.000	High Speed Internet - Township Park		158.26
COMCAST		Invoice Amount:	\$164.85
Monthly Cable and Internet Township Hall - JULY		Check Date:	08/01/2018
101-290-941.000	Township Hall Cable/Internet service		164.85
COMCAST		Invoice Amount:	\$144.85
Comcast High Speed Internet -August 2018 Port		Check Date:	08/01/2018
592-291-805.000	Comcast High Speed Internet Port Street		144.85
COMCAST		Invoice Amount:	\$104.85
Comcast High Speed Internet Monthly Fee - FS #		Check Date:	08/01/2018
101-336-921.000	High Speed Internet FS #2 - monthly		104.85
MICH MUN RISK MGT AUTHORITY ECP		Invoice Amount:	\$14,899.01
Electric Choice - June 2018		Check Date:	08/01/2018
101-336-921.000	Electric Choice		1,921.48
592-172-921.000	Electric Choice		1,250.61
101-171-921.000	Electric Choice		1,058.72
101-201-921.000	Electric Choice		566.50
101-209-921.000	Electric Choice		303.06
101-215-921.000	Electric Choice		920.06
101-253-921.000	Electric Choice		384.27
101-305-921.000	Electric Choice		3,040.47
101-325-921.000	Electric Choice		632.85
101-325-921.400	Electric Choice		632.85
101-336-921.000	Electric Choice		447.66
101-371-921.000	Electric Choice		666.53
101-371-921.500	Electric Choice		373.37
592-172-921.000	Electric Choice		877.48
592-172-921.000	Electric Choice		(314.90)
101-336-921.000	Electric Choice		745.89
101-691-921.000	Electric Choice		616.86
101-265-921.000	Electric Choice		427.77
588-588-921.000	Electric Choice		27.30
101-100-067.010	Electric Choice		320.18
DELTA DENTAL PLAN OF MI		Invoice Amount:	\$10,400.90
Delta Dental Plan August 2018 (invoice and spre		Check Date:	08/01/2018
101-171-714.000	Supervisor's Dept		106.63
101-201-714.000	IT Dept.		117.82

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	101-215-714.000	Clerk's Dept.	224.45
	101-253-714.000	Treasurer's Dept.	187.04
	101-265-714.000	Township Hall (Haack)	69.22
	101-290-714.500	Retiree (various)	495.74
	101-305-714.000	Police Dept.	2,223.88
	101-305-714.500	Police Dept. Retirees	742.57
	101-325-714.000	Dispatch	957.59
	101-325-714.500	Dispatch Retiree	69.22
	101-336-714.000	Fire Dept.	1,990.00
	101-336-714.500	Fire Dept. Retirees	1,664.82
	101-371-714.000	Building Dept.	374.08
	101-290-714.000	Building Dept. Retirees	69.22
	588-588-714.000	Senior Transportation	117.82
	592-172-714.000	DPW Dept.-Clerical	144.04
	592-172-714.500	DPW Dept. Retirees - Clerical	37.41
	101-290-714.000	Assessment fee - state Claims Tax	83.57
	226-226-714.000	Solid Waste Dept.	117.82
	592-291-714.000	DPW - non-clerical	224.45
	592-291-714.500	DPW Dept. Retirees - Non-Clerical	383.51
DTE ENERGY		Invoice Amount:	\$54.48
DTE Service May & June 2018 - 12250 Beck Roa		Check Date:	08/01/2018
510-510-737.000	12250 Beck Rd - May & June 2018 (HTGC)		54.48
DTE ENERGY		Invoice Amount:	\$36.67
DTE Service Miller Park May & June 2018 - 9100-		Check Date:	08/01/2018
101-691-921.000	Miller Park Electric May & June 2018		36.67
DTE ENERGY		Invoice Amount:	\$310.03
Baseball Diamonds June 2018 -- 9100-157-6877-		Check Date:	08/01/2018
101-691-921.000	Baseball Diamonds		310.03
DTE ENERGY		Invoice Amount:	\$38.82
FS # 2 Service- May 2018 - 9200-013-7823-0		Check Date:	08/01/2018
101-336-921.000	FS #2 Electric Service May 2018		38.82
DTE ENERGY		Invoice Amount:	\$2,562.19
Hilltop Golf Course Clubhouse and Maintenance S		Check Date:	08/01/2018
510-510-737.000	HTGC Clubhouse & Shed		2,562.19
DTE ENERGY		Invoice Amount:	\$1,048.93
Hilltop Golf Course Pumphouse May and June 201		Check Date:	08/01/2018
510-510-737.000	Hilltop Golf Course Pumphouse		1,048.93
HEILEMAN, JAMES		Invoice Amount:	\$4,394.50
JULY 2018 ELEC INSP PAY		Check Date:	08/01/2018
101-371-818.000	JULY 2018 PAY		4,394.50
HONKE, ANITA		Invoice Amount:	\$134.00
Medicare Part B - August 2018		Check Date:	08/01/2018
101-336-714.000	Medicare Part B August 2018		134.00
KNUPP, LINDA		Invoice Amount:	\$134.00
Medicare Part B August 2018		Check Date:	08/01/2018
101-336-714.500	MedicarePart B - August 2018		134.00
MAAS, CARLAS		Invoice Amount:	\$174.20
Medicare Part B August 2018		Check Date:	08/01/2018

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	101-336-714.000	Medicare Part B - August 2018	174.20
MICHIGAN CONFERENCE OF TEAMSTERS			Invoice Amount: \$10,908.80
Health insurance -August 2018 (DPW) (individua			Check Date: 08/01/2018
	592-291-714.000	Bartlett, James	1,558.40
	592-291-714.000	Krueger, Randy	1,558.40
	592-291-714.000	Melow, Steven	1,558.40
	592-291-714.000	Overaitis, Joseph	1,558.40
	592-291-714.000	Scholten, James	1,558.40
	592-291-714.000	Thomas, James	1,558.40
	592-291-714.000	Nelson, David	1,558.40
MUNSON, STEVE			Invoice Amount: \$1,313.75
JULY 2018 PLUMBING INSP PAY			Check Date: 08/01/2018
	101-371-818.000	JULY 2018 PAY	1,313.75
NATIONAL VISION ADMINISTRATORS LLC			Invoice Amount: \$1,280.95
Vision Coverage August 2018 - Spreadsheet attac			Check Date: 08/01/2018
	101-171-714.000	Supervisor's Dept.	14.35
	101-201-714.000	IT Dept.	13.34
	101-215-714.000	Clerk's Dept.	18.46
	226-226-714.000	Solid Waste Dept.	13.34
	101-253-714.000	Treasury Dept.	22.57
	101-265-714.000	Township Hall (Haack)	9.23
	101-305-714.000	Police Dept.	280.00
	101-325-714.000	Dispatch	113.86
	101-336-714.000	Fire Dept.	242.07
	101-371-714.000	Building Dept.	49.25
	588-588-714.000	Senior Transportation (Boyce)	13.34
	592-172-714.000	DPW (Staff)	19.47
	101-305-714.500	Police RETIREES	93.31
	101-325-714.500	Dispatch RETIREES	9.23
	101-336-714.500	Fire RETIREES	209.19
	101-290-714.500	Non Specific RETIREES	75.86
	592-291-714.500	DPW RETIREES	56.39
	592-291-714.000	DPW (Supervisio)	27.69
A T & T LONG DISTANCE			Invoice Amount: \$78.58
Long Distance Allocation -June 2018			Check Date: 08/01/2018
	101-201-853.000	-info services	5.37
	101-209-853.000	Assessing	3.21
	101-371-853.000	Building	8.94
	101-336-853.000	Fire	14.12
	101-171-853.000	Supervisor	8.36
	101-253-853.000	Treasurer	7.13
	101-215-853.000	Clerk	4.17
	101-371-853.500	Community Development (Planning)	3.33
	101-325-853.000	Dispatch	5.38
	101-265-854.000	Township Hall	1.28
	101-691-853.000	Park	1.00
	592-172-853.000	DPW	1.98
	101-305-853.000	Police	14.31
VERIZON WIRELESS			Invoice Amount: \$61.07
Verizon - Cell Phones for Park & Fire -July 2018			Check Date: 08/01/2018
	101-691-853.000	Park Cell phone	40.01
	101-336-853.000	Cell phone - fire	21.06

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

VENDOR INFORMATION

INVOICE INFORMATION

Total Amount to be Disbursed: \$55,990.80

**Charter Township of Plymouth
AP Invoice Listing - Board Report**

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VENDOR INFORMATION

INVOICE INFORMATION

ADVANCED DISPOSAL TWP PARK FACILITY - JULY 2018 FEES <i>101-691-931.000</i>	<i>TWP PARK YARD WASTE</i>	Invoice Amount: Check Date:	\$125.00 08/14/2018 <i>125.00</i>
ADVANCED DISPOSAL TWP FACILITIES - JULY 2018 FEES <i>101-691-931.000</i> <i>101-336-776.000</i> <i>101-691-931.000</i> <i>101-265-776.000</i> <i>592-172-776.000</i> <i>510-510-737.000</i> <i>101-336-776.000</i> <i>101-265-815.000</i>	<i>TWP PARK TRASH/RECYCLE</i> <i>FIRE STN 3 TRASH</i> <i>LK PNT SOCCER PARK TRASH</i> <i>TWP HALL TRASH/RECYCLE</i> <i>DPW TRASH</i> <i>HILL TOP GOLF COURSE TRASH/RECYCLE</i> <i>FIRE STN 2 TRASH</i> <i>FRIENDSHIP STATION TRASH</i>	Invoice Amount: Check Date:	\$821.00 08/14/2018 <i>306.00</i> <i>25.00</i> <i>68.00</i> <i>170.00</i> <i>68.00</i> <i>134.00</i> <i>25.00</i> <i>25.00</i>
Core & Main Copper rolls quote 6/28/18 <i>592-291-935.000</i>	<i>60' rolls of 1" copper</i>	Invoice Amount: Check Date:	\$1,125.00 08/14/2018 <i>1,125.00</i>
CORRIGAN OIL COMPANY Fuel 6/22/18 <i>592-291-863.000</i> <i>592-291-863.000</i> <i>592-291-863.000</i> <i>592-291-863.000</i>	<i>Gas 87 - Ethanol</i> <i>Dyed Ultra Low Sulfur #2 Mix</i> <i>Fuel Tax Recap</i> <i>Environmental Fee</i>	Invoice Amount: Check Date:	\$2,046.29 08/14/2018 <i>1,228.05</i> <i>800.88</i> <i>10.41</i> <i>6.95</i>
GFL Environmental USA, Inc. GFL ROLL OFFS_JUNE 2018 <i>226-226-810.500</i> <i>226-226-810.100</i> <i>226-226-810.100</i> <i>101-955-885.000</i>	<i>06/06/18 - DPW RECYCLE-CARDBOARD/PAPER</i> <i>COLONY FARMS SUB CLEANUP 06/01/18</i> <i>WESTBRIAR II SUB CLEANUP 06/01/18</i> <i>ROUGE RESCUE EVENT - 06/02/18</i>	Invoice Amount: Check Date:	\$1,495.00 08/14/2018 <i>195.00</i> <i>325.00</i> <i>325.00</i> <i>650.00</i>
GFL Environmental USA, Inc. DPW RECYCLE CENTER <i>226-226-810.500</i> <i>226-226-810.500</i>	<i>06/18/18 - PAPER/CARDBOARD RECYCLE</i> <i>06/26/18 - PAPER/CARDBOARD RECYCLE</i>	Invoice Amount: Check Date:	\$390.00 08/14/2018 <i>195.00</i> <i>195.00</i>
GFL Environmental USA, Inc. JUNE 2018 - RESIDENTIAL COLLECTION <i>226-226-810.000</i> <i>226-226-810.000</i> <i>226-226-810.000</i>	<i>JUNE 2018 TRASH</i> <i>JUNE 2018 RECYCLING</i> <i>JUNE 2018 YARD WASTE</i>	Invoice Amount: Check Date:	\$103,323.36 08/14/2018 <i>66,773.60</i> <i>18,626.32</i> <i>17,923.44</i>
KSS Enterprises BLANKET PO 2018 <i>101-691-931.000</i>	<i>BLANKEY PO 2018</i>	Invoice Amount: Check Date:	\$174.36 08/14/2018 <i>174.36</i>
MICHIGAN LINEN SERVICE Uniforms <i>592-172-758.000</i>	<i>6/29/18</i>	Invoice Amount: Check Date:	\$84.35 08/14/2018 <i>84.35</i>
MICHIGAN LINEN SERVICE Uniforms <i>592-172-758.000</i>	<i>7/13/18</i>	Invoice Amount: Check Date:	\$84.35 08/14/2018 <i>84.35</i>
Total Amount to be Disbursed:			\$109,668.71

Charter Township of Plymouth
AP Invoice Listing - Board Report

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VENDOR INFORMATION

INVOICE INFORMATION

UNITED STATES TREASURY

Quarterly Federal Excise Tax Return

101-290-714.000

2018 Form 720 PCORI Fee EIN#38-6007665

Invoice Amount:

\$212.44

Check Date:

07/31/2018

212.44

Total Amount to be Disbursed:

\$212.44

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM F.1
WTUA BUDGET REVIEW AND
APPROVAL
RESOLUTION #2018-07-17-59**



**CHARTER TOWNSHIP OF PLYMOUTH
REQUEST FOR BOARD ACTION**

MEETING DATE: August 14, 2018

ITEM: Presentation and Resolution to approve Western Townships Utilities Authority (WTUA) Budget for 2018-19

PRESENTER: Aaron Sprague, WTUA Executive Director

BACKGROUND: Aaron Sprague, Executive Director for WTUA, will be making his annual budget presentation to the Board of Trustees on August 14. The budget needs to be approved by Plymouth, Canton and Northville Townships. The budget draft has been reviewed without objection by the WTUA Board of Directors, comprised of the Supervisors of the three townships. Aaron has also provided us with a Resolution to adopt the budget.

PROPOSED MOTION: I move that the Board of Trustees approve Resolution #2018-08-14-59, adopting the 2018-19 WTUA Budget per the recommendations of the WTUA Executive Director.

Moved By _____ Seconded By _____

ROLL CALL:

___Vorva___ Curmi,___ Clinton, ___Heitman, ___Doroshewitz, ___Dempsey, ___Heise

**STATE OF MICHIGAN
COUNTY OF WAYNE
CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES**

RESOLUTION # 2018-08-14-59

**Resolution to Approve the Western Townships Utilities Authority
(WTUA) Proposed Annual Budget Document for the Fiscal Year ending
September 30, 2019**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on August 14, 2018, the following resolution was offered:

WHEREAS, the Western Townships Utilities Authority has prepared a proposed budget for the fiscal year ending September 30, 2019, which has been reviewed by the Finance Committee on July 12, 2018 and the Board of Commissioners on July 30, 2018, and,

WHEREAS, the Authority is required to submit a budget to each of the member Townships for approval in August of each year,

NOW THEREFORE, BE IT RESOLVED, that the Charter Township of Plymouth, by way of this resolution #2018-08-14-59, does hereby approve this resolution authorizing the approval of the departmental budget for the Authority as presented on page 1 of the Proposed Annual Budget for the fiscal year ending September 30, 2019, in the amounts presented.

Moved by: _____ Supported by: _____

ROLL CALL VOTE:

____ CC, ____ JD, ____ JV, ____ MC, ____ RD, ____ GH, ____ KH



Certification

STATE OF MICHIGAN)
)
COUNTY OF WAYNE)

I hereby certify that the foregoing is a true and complete copy of the resolution adopted by the Board of Trustees at the Regular Board Meeting dated August 14, 2018.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution # 2018-08-14-59

Western Townships Utilities Authority

SERVING THE CHARTER TOWNSHIPS OF CANTON, NORTHVILLE AND PLYMOUTH

ANNUAL BUDGET

YEAR ENDING SEPTEMBER 30, 2019

**VERSION 1 - FINANCE COMMITTEE REVIEW
BOARD STUDY SESSION
TOWNSHIP APPROVALS**

Prepared by:

Suzanne Reel, Accountant
Aaron Sprague, Director of Operations
Jack Polhill, OMI Project Manager

Reviewed by:

WTUA Finance Committee - July 12, 2018
Board of Commissioners Study Session - July 30, 2018

**WESTERN TOWNSHIPS UTILITIES AUTHORITY
PROPOSED ANNUAL BUDGET
OCTOBER 1, 2018 - SEPTEMBER 30, 2019**

Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget	% Variance Over/(Under) 2017/2018 Budget	% Variance Over/(Under) 2017/2018 Projected
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OPERATIONS BUDGET

REVENUES

Township billings	\$ 14,713,565	\$ 14,411,554	\$ 12,436,706	\$ 12,436,706	\$ 8,311,794	\$ 11,380,998	\$ 11,736,279	(5.63%)	3.12%
Saw grant funds	109,411	163,555	-	-	-	-	-	0.00%	0.00%
Interest earnings & other revenue	78,227	793,169	-	-	37,594	-	-	0.00%	0.00%
Total Revenues	14,901,203	15,368,278	12,436,706	12,436,706	8,349,388	11,380,998	11,736,279	(5.63%)	3.12%

EXPENDITURES

Sewage treatment charges	\$ 11,792,971	\$ 12,317,450	\$ 9,160,051	\$ 9,160,051	\$ 5,936,625	\$ 8,129,158	\$ 8,446,400	(7.79%)	3.90%
Operations and maintenance	1,598,661	1,789,566	2,212,095	2,212,095	1,445,179	2,187,079	2,247,750	1.61%	2.77%
Administrative	494,537	494,435	584,647	584,647	452,866	584,847	599,975	2.62%	2.59%
YCUA capacity rental	550,811	515,371	479,913	479,913	479,913	479,913	442,154	(7.87%)	(7.87%)
Total Expenditures	14,436,980	15,116,822	12,436,706	12,436,706	8,314,583	11,380,998	11,736,279	(5.63%)	3.12%

NET OPERATING INCOME

\$ 464,223	\$ 251,456	\$ -	\$ -	\$ 34,805	\$ -	\$ -
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WORKING CAPITAL

Beginning balance	\$ 278,890	\$ 278,890	\$ 278,890	\$ 278,890	\$ 278,890	\$ 278,890	\$ 278,890
Reduction of GASB68 Liability	(464,223)	(251,456)	-	-	(174,087)	-	-
Revenues less expenditures	464,223	251,456	-	-	34,805	-	-
Ending balance	\$ 278,890	\$ 278,890	\$ 278,890	\$ 278,890	\$ 139,608	\$ 278,890	\$ 278,890

DEBT SERVICE BUDGET

REVENUES

Bond debt billings to townships	\$ 10,512,438	\$ 10,834,950	\$ 10,594,188	\$ 10,594,188	\$ 10,386,344	\$ 10,588,663	\$ 5,230,856
Restricted earnings	1,764	1,893	-	-	7,839	5,525	-
Total revenues	\$ 10,514,202	\$ 10,836,843	\$ 10,594,188	\$ 10,594,188	\$ 10,394,183	\$ 10,594,188	\$ 5,230,856

EXPENDITURES

Principal payment - 2009 Issue	6,015,000	6,290,000	6,525,000	6,525,000	6,525,000	6,525,000	1,435,000
Interest expense - 2009 Issue	766,163	455,100	131,788	131,788	123,417	131,788	12,556
Principal payment - 2012 Issue	2,710,000	3,160,000	3,125,000	3,125,000	3,125,000	3,125,000	3,095,000
Interest expense - 2012 Issue	1,021,275	929,850	812,400	812,400	682,208	812,400	688,300
Total bond debt requirements	\$ 10,512,438	\$ 10,834,950	\$ 10,594,188	\$ 10,594,188	\$ 10,455,625	\$ 10,594,188	\$ 5,230,856

WESTERN TOWNSHIPS UTILITIES AUTHORITY
PROPOSED ANNUAL BUDGET
SUPPLEMENTAL INFORMATION
DETAIL WORKSHEETS

Sewage Treatment Charges
Operations & Maintenance Overview
Lower Rouge and Middle Rouge
Force Main, Collection System, Vehicle and Saw Grant Expenditures
Administrative
Administrative-Detail of Computer Expense
Analysis of Bond Debt Service
Additional Debt Service Information

WESTERN TOWNSHIPS UTILITIES AUTHORITY
 PROPOSED ANNUAL BUDGET WORKSHEET
 OCTOBER 1, 2018 - SEPTEMBER 30, 2019

Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget
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SEWAGE TREATMENT CHARGES

Wayne County						
Sewage treatment charges	\$ 6,557,752	\$ 4,918,314	\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Fixed charges/excess flow	-	1,386,000				
YCUA:						
Sewage treatment charges	5,048,022	5,800,081	8,689,932	8,689,932	5,673,526	7,979,281
Industrial pre-treatment charges	106,279	119,784	138,000	138,000	98,352	135,000
GASB 68 - Pension			232,119	232,119		232,119
Lookback	80,918	93,271	-	-	164,747	164,747
Sewage Treatment Total	\$ 11,792,971	\$ 12,317,450	\$ 9,160,051	\$ 9,160,051	\$ 5,936,625	\$ 8,129,158

SEWAGE TREATMENT DETAIL CALCULATIONS

Treatment Agency	Estimated Flows (1,000 gallons)	Period (from/to)	Rate	Rate Change (%)	Projected Cost (\$)
Wayne County			Monthly rate		
Monthly charge-projected		Oct-17 - Jun-18	\$ -		\$ -
Monthly charge-projected		Jul-18 - Sept-18	\$ -		\$ -
Total flows Wayne County			Total treatment charges Wayne County		
YCUA			(per 1,000 gallons)		
Sewage treatment charges-projected rate	5,167,771	Oct-18 - Aug-19	1.415615	1.69%	7,315,571
Sewage treatment charges-projected rate	426,224	Sept-17	1.557177	10.00%	663,706
Total flows YCUA	5,593,995		Total treatment charges YCUA		7,979,281
Flows are based upon actual metered sewage flow					
YCUA-IPP Charges					
Canton Township					56,000
Northville Township					19,000
Plymouth Township					60,000
			Total YCUA IPP Charges		135,000
					232,119
UAAL for pension - fixed amount					232,119
			Total YCUA		8,346,400
			Total Sewage Treatment Charges		\$ 8,346,400

WESTERN TOWNSHIPS UTILITIES AUTHORITY
 PROPOSED ANNUAL BUDGET WORKSHEET
 OCTOBER 1, 2018 - SEPTEMBER 30, 2019

Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget	% Variance Over/(Under) 2017/2018 Budget	% Variance Over/(Under) 2017/2018 Projected
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OPERATIONS AND MAINTENANCE OVERVIEW

Lower Rouge	\$ 811,565	\$ 929,287	\$ 1,038,697	\$ 1,038,697	\$ 829,698	\$ 1,036,105	\$ 1,060,736	2.12%	2.38%
Middle Rouge	371,702	359,586	514,458	514,458	335,137	501,034	519,882	1.05%	3.76%
Force Main	57,317	57,193	82,220	82,220	54,021	82,220	83,816	1.94%	1.94%
Collection System	234,712	274,854	569,220	569,220	224,465	560,220	575,816	1.16%	2.78%
Vehicle	1,794	3,727	7,500	7,500	1,858	7,500	7,500	0.00%	0.00%
Saw Grant expenditures	121,568	164,919	-	-	-	-	-	0.00%	0.00%
Operation & Maintenance Total	\$ 1,598,658	\$ 1,789,566	\$ 2,212,095	\$ 2,212,095	\$ 1,445,179	\$ 2,187,079	\$ 2,247,750	1.61%	2.77%

WESTERN TOWNSHIPS UTILITIES AUTHORITY
PROPOSED ANNUAL BUDGET WORKSHEET
OCTOBER 1, 2018 - SEPTEMBER 30, 2019

Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget	% Variance Over/(Under) 2017/2018 Budget	% Variance Over/(Under) 2017/2018 Projected
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Trihedral maintenance \$2,910. They were late billing for FY17 so we paid for 2 years this year

LOWER ROUGE

O&M Contractor	\$ 250,821	\$ 258,346	\$ 266,097	\$ 266,097	\$ 243,759	\$ 266,097	\$ 274,080	3.00%	3.00%
Parts	13,081	19,655	15,000	15,000	18,511	20,000	15,000	0.00%	(25.00%)
Communications	1,841	2,112	2,500	2,500	1,848	2,500	2,500	0.00%	0.00%
Instrumentation Service	2,910	-	4,000	4,000	5,820	5,820	4,000	0.00%	(31.27%)
Alarm Monitoring	1,890	2,046	4,000	4,000	1,816	4,000	4,000	0.00%	0.00%
Prev/Predictive Maintenance	2,701	20,601	5,000	5,000	12,860	19,000	19,000	280.00%	0.00%
Inspections/Permits/Licenses	1,233	1,163	3,000	3,000	680	3,000	3,000	0.00%	0.00%
Janitorial	2,888	2,975	3,100	3,100	2,807	3,100	3,158	1.81%	1.81%
General Maintenance	6,270	7,107	4,000	4,000	1,399	4,000	4,000	0.00%	0.00%
Lawn Maintenance	2,688	2,969	4,000	4,000	1,545	4,000	4,000	0.00%	0.00%
Snow Removal	4,165	3,411	5,500	5,500	7,088	7,088	5,500	0.00%	(22.41%)
Landscape Maintenance	557	914	3,500	3,500	621	3,500	3,500	0.00%	0.00%
Flow Meter Maintenance	1,597	2,661	6,000	6,000	2,947	6,000	6,000	0.00%	0.00%
Electric	408,296	462,833	500,000	500,000	433,933	500,000	500,000	0.00%	0.00%
Natural Gas	8,612	13,228	20,000	20,000	18,135	20,000	20,000	0.00%	0.00%
Water/Sewer	79,165	71,922	75,000	75,000	44,819	75,000	75,000	0.00%	0.00%
Supplies and Tools	9,318	5,407	8,000	8,000	3,230	8,000	8,000	0.00%	0.00%
Fuel	-	-	10,000	10,000	-	10,000	10,000	0.00%	0.00%
Corrective Maintenance	13,532	51,936	100,000	100,000	27,881	75,000	100,000	0.00%	33.33%
Lower Rouge Total	\$ 811,565	\$ 929,287	\$ 1,038,697	\$ 1,038,697	\$ 829,698	\$ 1,036,105	\$ 1,060,736	2.12%	2.38%

Budget includes a 3% increase effective 1/1/2019

\$14,000 for switchgear cleaning. Rotate NPS, SPS & MR so each is done every third year. For LR, budget for cleaning every year

Suzanne: Switch gear cleaning for the NPS. We did the NPS instead of MR this year

MIDDLE ROUGE

O&M Contractor	\$ 150,493	\$ 155,007	\$ 159,658	\$ 159,658	\$ 146,255	\$ 159,658	\$ 164,447	3.00%	3.00%
Parts	7,108	1,759	7,500	7,500	12,930	15,000	7,500	0.00%	(50.00%)
Communications	1,267	1,480	2,200	2,200	1,163	2,200	2,200	0.00%	0.00%
Instrumentation Service	2,910	-	4,000	4,000	5,820	5,820	4,000	0.00%	(31.27%)
Alarm Monitoring	1,657	1,552	2,000	2,000	1,762	2,000	2,000	0.00%	0.00%
Prev/Predictive Maintenance	8,075	318	12,000	12,000	698	12,000	12,000	0.00%	0.00%
Inspections/Permits/Licenses	2,377	1,177	4,000	4,000	2,718	4,000	4,000	0.00%	0.00%
Janitorial	4,332	4,462	4,600	4,600	4,210	4,600	4,735	2.93%	2.93%
General Maintenance	2,255	698	5,000	5,000	658	5,000	5,000	0.00%	0.00%
Lawn Maintenance	6,977	7,900	8,500	8,500	4,095	8,500	8,500	0.00%	0.00%
Snow Removal	4,293	3,631	6,000	6,000	7,756	6,000	6,000	0.00%	(22.64%)
Landscape Maintenance	479	1,264	4,000	4,000	1,152	4,000	4,000	0.00%	0.00%
Flow Meter Maintenance	17,234	18,836	16,000	16,000	16,143	16,500	16,500	3.13%	0.00%
Electric	127,444	133,152	175,000	175,000	100,592	175,000	175,000	0.00%	0.00%
Odor Control Chemicals	10,561	6,299	13,000	13,000	4,151	13,000	13,000	0.00%	0.00%
Natural Gas	8,160	8,589	18,000	18,000	9,498	18,000	18,000	0.00%	0.00%
Water/Sewer	11,322	9,374	15,000	15,000	5,621	15,000	15,000	0.00%	0.00%
Supplies and Tools	1,773	3,302	8,000	8,000	1,016	8,000	8,000	0.00%	0.00%
Corrective Maintenance	2,985	785	50,000	50,000	8,899	25,000	50,000	0.00%	100.00%
Middle Rouge Total	\$ 371,702	\$ 359,586	\$ 514,458	\$ 514,458	\$ 335,137	\$ 501,034	\$ 519,882	1.05%	3.76%

Trihedral maintenance \$2,910. They were late billing for FY17 so we paid for 2 years this year

\$8000 for switchgear cleaning-every other year. Did LR instead of MR in error this year

WESTERN TOWNSHIPS UTILITIES AUTHORITY
 PROPOSED ANNUAL BUDGET WORKSHEET
 OCTOBER 1, 2018 - SEPTEMBER 30, 2019

Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget	% Variance Over/(Under) 2017/2018 Budget	% Variance Over/(Under) 2017/2018 Projected
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FORCE MAIN

O&M Contractor	\$ 50,164	\$ 51,669	\$ 53,220	\$ 53,220	\$ 48,752	\$ 53,220	\$ 54,816	3.00%	3.00%
Parts	5,145	4,938	6,000	6,000	4,794	6,000	6,000	0.00%	0.00%
Communications	445	586	1,000	1,000	475	1,000	1,000	0.00%	0.00%
Grounds Maintenance	-	-	500	500	-	500	500	0.00%	0.00%
Supplies and Tools	1,563	-	1,500	1,500	-	1,500	1,500	0.00%	0.00%
Corrective Maintenance	-	-	20,000	20,000	-	20,000	20,000	0.00%	0.00%
Force Main Total	\$ 57,317	\$ 57,193	\$ 82,220	\$ 82,220	\$ 54,021	\$ 82,220	\$ 83,816	1.94%	1.94%

COLLECTION SYSTEM

O&M Contractor	\$ 50,165	\$ 51,669	\$ 53,220	\$ 53,220	\$ 48,752	\$ 53,220	\$ 54,816	3.00%	3.00%
Infrastructure Maintenance	18,048	43,797	150,000	150,000	984	150,000	150,000	0.00%	0.00%
Parts	40	130	1,000	1,000	276	1,000	1,000	0.00%	0.00%
Communications	2,910	4,277	3,000	3,000	2,591	4,000	4,000	33.33%	0.00%
Instrumentation Service	-	-	1,000	1,000	-	1,000	1,000	0.00%	0.00%
Prev/Predictive Maintenance	1,755	1,719	2,000	2,000	1,857	2,000	2,000	0.00%	0.00%
Inspections	39	277	500	500	-	500	500	0.00%	0.00%
Building Maintenance	-	-	1,000	1,000	-	1,000	1,000	0.00%	0.00%
Grounds Maintenance	-	-	1,000	1,000	-	1,000	1,000	0.00%	0.00%
Flow Meter Maintenance	136,582	144,315	167,000	167,000	124,725	167,000	171,000	2.40%	2.40%
Miss Dig	3,458	3,721	4,500	4,500	3,458	4,500	4,500	0.00%	0.00%
Electric	7,998	8,966	12,000	12,000	7,773	12,000	12,000	0.00%	0.00%
Supplies and Tools	52	70	1,000	1,000	-	1,000	1,000	0.00%	0.00%
Fuel	-	1,089	2,000	2,000	487	2,000	2,000	0.00%	0.00%
Flow Meters	-	4,200	50,000	50,000	9,360	40,000	50,000	0.00%	25.00%
Corrective Maintenance	13,665	10,623	120,000	120,000	24,203	120,000	120,000	0.00%	0.00%
Collection System Total	\$ 234,712	\$ 274,854	\$ 569,220	\$ 569,220	\$ 224,465	\$ 560,220	\$ 575,816	1.16%	2.78%

Estimate of Terra work for FY19: 100k per Aaron. Saw Grant has ended so there is no offset

SCADA maintenance due to exiting Wayne County system. Mntnce not done in FY18

VEHICLE

Parts	\$ 147	\$ 192	\$ 500	\$ 500	\$ 123	\$ 500	\$ 500	0.00%	0.00%
Prev/Predictive Maintenance	38	94	1,000	1,000	-	1,000	1,000	0.00%	0.00%
Fuel	1,609	1,833	4,000	4,000	1,314	4,000	4,000	0.00%	0.00%
Corrective Maintenance	-	1,608	2,000	2,000	421	2,000	2,000	0.00%	0.00%
Vehicle Totals	\$ 1,794	\$ 3,727	\$ 7,500	\$ 7,500	\$ 1,858	\$ 7,500	\$ 7,500	0.00%	0.00%

SAW GRANT EXPENDITURES

Saw Grant Expenditure Total	\$ 121,568	\$ 164,919	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%	0.00%
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WESTERN TOWNSHIPS UTILITIES AUTHORITY
 PROPOSED ANNUAL BUDGET WORKSHEET
 OCTOBER 1, 2018 - SEPTEMBER 30, 2019

	Audited 2015/2016 Actual	Audited 2016/2017 Actual	Approved 2017/2018 Budget	Amended 2017/2018 Budget	Current YTD 7/31/2018	Projected 2017/2018	Recommended 2018/2019 Budget	% Variance Over/(Under) 2017/2018 Budget	% Variance Over/(Under) 2017/2018 Projected
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Budget includes a 3% increase for staff effective for the first pay of 2018. Director's includes increase approved by Board

ADMINISTRATIVE

Salaries & Fringe Benefits

Director of Operations	\$ 92,908	\$ 95,679	\$ 106,274	\$ 106,274	\$ 86,883	\$ 106,274	\$ 109,903	3.41%	3.41%
Accountant	58,873	65,977	68,826	68,826	56,904	68,826	71,245	3.51%	3.51%
Administrative Assistant	51,123	52,478	53,787	53,787	44,424	53,787	55,677	3.51%	3.51%
Construction Management Observer	-	-	-	-	-	-	-	0.00%	0.00%
Overtime	-	-	-	-	-	-	-	0.00%	0.00%
Sick pay accrual	3,000	6,000	6,000	6,000	5,000	6,000	6,000	0.00%	0.00%
Temporary Services	-	-	3,000	3,000	-	-	3,000	0.00%	100.00%
FICA	16,077	16,390	17,600	17,600	14,413	17,600	18,200	3.41%	3.41%
Workers Comp Insurance	685	642	1,000	1,000	1,137	1,200	1,200	20.00%	0.00%
Health Insurance	40,220	41,737	40,000	40,000	37,286	40,000	40,000	0.00%	0.00%
Health Insurance Opt Out	300	-	-	-	-	-	-	0.00%	0.00%
Vision Plan	604	196	1,200	1,200	-	1,200	1,200	0.00%	0.00%
Dental Insurance	3,228	3,276	4,000	4,000	2,888	4,000	4,000	0.00%	0.00%
STD/LTD/Life Insurance	3,574	3,746	5,000	5,000	3,583	5,000	5,000	0.00%	0.00%
Education Expense	-	-	3,000	3,000	-	1,500	3,000	0.00%	100.00%
Pension Plan Expense	31,021	31,970	35,000	35,000	28,014	35,000	36,000	2.86%	2.86%
Subtotal	301,613	318,091	344,687	344,687	280,530	340,387	354,425	2.83%	4.12%

Budget is assuming no opt-outs

Reimbursable Expenses

Training/Conference	1,043	489	2,000	2,000	603	2,000	2,000	0.00%	0.00%
Travel/Meal Reimbursement	50	43	500	500	-	500	500	0.00%	0.00%
Mileage Reimbursement	1,465	1,410	2,000	2,000	923	2,000	2,000	0.00%	0.00%
Subtotal	2,558	1,942	4,500	4,500	1,526	4,500	4,500	0.00%	0.00%

Office Expenses

Supplies	1,552	1,219	3,000	3,000	1,436	3,000	3,000	0.00%	0.00%
Computer	45,170	37,917	41,000	41,000	36,335	41,000	46,000	12.20%	12.20%
Equipment/Furniture	61	-	5,000	5,000	-	2,500	5,000	0.00%	100.00%
Printing/Copying	1,060	358	2,000	2,000	159	1,000	2,000	0.00%	100.00%
Postage	756	409	1,000	1,000	360	1,000	1,000	0.00%	0.00%
Telephone	4,133	4,154	5,000	5,000	3,148	5,000	5,000	0.00%	0.00%
Newspapers/Publications	527	529	2,000	2,000	438	1,000	2,000	0.00%	100.00%
Outside Services	25,150	1,316	2,000	2,000	783	1,000	2,000	0.00%	100.00%
Memberships/Dues	1,107	1,671	1,800	1,800	1,096	1,800	1,800	0.00%	0.00%
Miscellaneous	875	238	750	750	292	750	750	0.00%	0.00%
Subtotal	80,391	47,810	63,550	63,550	44,047	58,050	68,550	7.87%	18.09%

Wayne County termination & formation of new water authority

Outside Services

Legal-Consulting	35,159	44,046	75,000	75,000	42,438	75,000	75,000	0.00%	0.00%
Other Legal	3,000	-	10,000	10,000	-	5,000	10,000	0.00%	100.00%
Audit	15,000	15,400	15,910	15,910	15,910	15,910	16,500	3.71%	3.71%
Financial Consulting	4,200	5,950	10,000	10,000	1,275	5,000	10,000	0.00%	100.00%
Indirect Engineering Services	7,275	16,795	10,000	10,000	29,332	30,000	10,000	0.00%	(66.67%)
Bank & Bond Services	583	759	1,000	1,000	717	1,000	1,000	0.00%	0.00%
Insurance Services	44,748	43,643	50,000	50,000	37,093	50,000	50,000	0.00%	0.00%
Subtotal	109,965	126,593	171,910	171,910	126,764	181,910	172,500	0.34%	(5.17%)

Suzanne: Water Authority Analysis

Administrative Total

	\$ 494,527	\$ 494,434	\$ 584,647	\$ 584,647	\$ 452,866	\$ 584,847	\$ 599,975	2.62%	2.59%
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WESTERN TOWNSHIPS UTILITIES AUTHORITY
 PROPOSED ANNUAL BUDGET WORKSHEET
 OCTOBER 1, 2018 - SEPTEMBER 30, 2019

**ADMINISTRATIVE
 DETAIL OF COMPUTER EXPENSE**

<u>Contractors</u>	
Network Support	\$ 16,400
Email and website hosting	2,000
Internet services/static ip	2,500
<u>Support</u>	
Lucity (GBA) IMS Support	5,000
Fund Balance32 Support Package (Oct. 1 - Sept. 30)	600
ArcGIS Support	500
<u>Software</u>	
H2O Metrics	12,500
Virus protection/spam software	1,000
Microsoft office 365 annual fees	1,000
Miscellaneous software - new/upgrades	2,000
Upgrade Sierra modems at 2 pump stations	2,500
Total	\$ 46,000

**WESTERN TOWNSHIPS UTILITIES AUTHORITY
PROPOSED ANNUAL BUDGET WORKSHEET
OCTOBER 1, 2018 - SEPTEMBER 30, 2019**

ANALYSIS OF DEBT SERVICE

Allocation to Townships of Debt Service Budget				
	Total	Canton Township	Northville Township	Plymouth Township
Principal payment - 2009 Bond Issue	1,435,000	586,485	484,025	364,490
Interest expense - 2009 Bond Issue	12,556	5,131	4,235	3,190
Principal payment - 2012 Bond Issue	3,095,000	1,044,562	933,143	1,117,295
Interest expense - 2012 Bond Issue	688,300	232,300	207,523	248,477
Allocation of Debt Service Budget	\$ 5,230,856	\$ 1,868,478	\$ 1,628,926	\$ 1,733,452

Allocation to Townships of Debt Service Payments - Cash Flow					
	Township Payment Dates to WTUA	Total Payment Due	Canton Township	Northville Township	Plymouth Township
2009 Bond Issue	12/1/2018	1,460,113	596,748	492,496	370,869
(C 40.87%, N 33.73%, P 25.40%)	6/1/2019	-	-	-	-
2012 Bond Issue	12/1/2018	3,485,575	1,176,382	1,050,900	1,258,293
(C 33.75%, N 30.15%, P 36.10%)	6/1/2019	328,675	110,927	99,096	118,652
Allocation of Bond Debt Service Payments		\$ 5,274,363	\$ 1,884,057	\$ 1,642,492	\$ 1,747,814

Note: The difference between the budget and the payments is a result of the accrual method used for recognition of the interest expense for budgeting purposes in compliance with GASB 34.

**WESTERN TOWNSHIPS UTILITIES AUTHORITY
ADDITIONAL DEBT SERVICE INFORMATION**

Future Debt Service Payments - Cash Flow Requirements after FY 18-19
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	Township Payment Dates to WTUA	Total Payment Due	Canton Township	Northville Township	Plymouth Township
2012 Bond Issue	12/1/2019	3,893,675	1,314,115	1,173,943	1,405,617
(C 33.75%, N 30.15%, P 36.10%)	6/1/2020	257,375	86,864	77,599	92,912
	12/1/2020	3,782,375	1,276,552	1,140,386	1,365,437
	6/1/2021	186,875	63,070	56,343	67,462
	12/1/2021	3,681,875	1,242,633	1,110,085	1,329,157
	6/1/2022	99,500	33,581	29,999	35,920
	12/1/2022	4,079,500	1,376,831	1,229,969	1,472,700

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM F.2
ONE TIME, SPECIAL EVENT LIQUOR
LICENSE APPROVAL,
FRIENDSHIP STATION
RESOLUTION # 2018-08-14-60**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: August 14 2018

ITEM: Approval of One Time- Special Event-Liquor License Commission Local Governing Body Approval

PRESENTER: Clerk Vorva

BACKGROUND: As you know, it is standard practice for this Board to hear and approve requests for one time or special use fundraising or charitable gaming license applications that go before the Liquor Control Commission or Charitable Gaming Division of the State of Michigan.

The Plymouth Community Council on Aging has scheduled a fund raiser for October 18 at the Friendship Station and they require local governmental body approval to submit to the Liquor Control Commission recommending approval for this special license.

I am requesting your approval of the attached resolution so it can be presented to the Liquor Control Commission for their consideration.

PROPOSED MOTION: I move to approve Resolution #2018-08-14-60 recommending Local Governing Body Approval to the Liquor Control Commission of the State of Michigan for their consideration in granting approval for the one time issuance of a special license for the event being held by the Plymouth Council on Aging on October 18, 2018 at the Friendship Station, located at 42375 Schoolcraft Road, Plymouth, MI 48170.

Moved By _____ Seconded By _____

ROLL CALL:

___Vorva___ Curmi, ___ Clinton, ___ Heitman, ___ Doroshewitz, ___ Dempsey, ___ Heise

**STATE OF MICHIGAN
COUNTY OF WAYNE
CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES**

RESOLUTION 2018-08-14-60

**LOCAL GOVERNMENT APPROVAL
SPECIAL EVENT**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall located at 9955 N. Haggerty Road, Plymouth, Michigan on August 14, 2018, the following resolution was offered:

WHEREAS, the Charter Township of Plymouth Board of Trustees has the authority and responsibility to approve, by resolution, all applications for the issuance of a one time "special license" for the use and distribution of alcohol, thereby reinforcing their recommendation to the Liquor Control Commission of the State of Michigan, and,

WHEREAS, The Plymouth Community Council on Aging has requested a special use local governing body approval for a fundraiser at the Plymouth Township Friendship Station on October 18, 2018, from 5:30 p.m. to 7:30 p.m., and,

NOW THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth, hereby approves Resolution #2018-08-14-60 requesting the Michigan Liquor Control Commission to consider approving the application for this one time fund raiser for the Plymouth Community Council on Aging.

Moved by: _____ Supported by: _____

Roll Call Vote:

_____CC, _____JD, _____JV, _____MC, _____RD, _____GH, _____KH

Certification

STATE OF MICHIGAN)
)
COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the Ordinance adopted by the Board of Trustees at their Regular Meeting dated August 14, 2018

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution #2018-08-14-60



Local Government Approval
(Authorized by MCL 436.1501)

Resolution #2018-08-14-60

Instructions for Applicants:

- You must obtain a recommendation from the local legislative body for a new on-premises license application, certain types of license classification transfers, and/or a new banquet facility permit.

Instructions for Local Legislative Body:

- Complete this resolution or provide a resolution, along with certification from the clerk or adopted minutes from the meeting at which this request was considered.

At a Regular meeting of the Charter Township of Plymouth council/board
(regular or special) (township, city, village)
called to order by _____ on August 14 at 7:00 PM
(date) (time)
the following resolution was offered:

Moved by _____ and supported by _____

that the application from Plymouth Community Council on Aging
(name of applicant - if a corporation or limited liability company, please state the company name)

for the following license(s): One Time Special Event Fund Raiser On October 18, 2018
(list specific licenses requested)

to be located at: 42375 Schoolcraft Road, Livonia MI 48170

and the following permit, if applied for:

Banquet Facility Permit Address of Banquet Facility: _____

It is the consensus of this body that it recommends this application be considered for
(recommends/does not recommend)
approval by the Michigan Liquor Control Commission.

If disapproved, the reasons for disapproval are _____

Vote

Yeas: _____

Nays: _____

Absent: _____

I hereby certify that the foregoing is true and is a complete copy of the resolution offered and adopted by the Board (Township)
council/board at a Regular meeting held on August 14, 2018 (township, city, village)
(regular or special) (date)

Jerry Vorva

Print Name of Clerk

August 15, 2018

Signature of Clerk

Date

Under Article IV, Section 40, of the Constitution of Michigan (1963), the Commission shall exercise complete control of the alcoholic beverage traffic within this state, including the retail sales thereof, subject to statutory limitations. Further, the Commission shall have the sole right, power, and duty to control the alcoholic beverage traffic and traffic in other alcoholic liquor within this state, including the licensure of businesses and individuals.

Please return this completed form along with any corresponding documents to:

Michigan Liquor Control Commission

Mailing address: P.O. Box 30005, Lansing, MI 48909

Hand deliveries or overnight packages: Constitution Hall - 525 W. Allegan, Lansing, MI 48933

Fax to: 517-763-0059

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM F.3
MANHOLE REPLACEMENT PROJECT
UPDATE**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: August 14, 2018

ITEM: 2018 Sanitary Sewer Manhole Adjustment Program – Status Report

PRESENTER: Greg Stanley, PE, Wade Trim Associates, Inc.
Patrick J. Fellrath, PE, Director of Public Services

OTHER INDIVIDUALS IN ATTENDANCE: None

BACKGROUND:

Status/Progress report for above referenced project as of August 4, 2018 is attached.

Updated report will be handed out to Board members at time of presentation.

ACTION REQUESTED: N/A

BUDGET/ACCOUNT NUMBER: N/A

PROPOSED MOTION: N/A

ATTACHMENTS: Status Report

2018 Sanitary Sewer Manhole Adjustment Program

Status Report Through August 4, 2018

August 6, 2018

The following work Activities have occurred since the contract was awarded to JB Contractors by the Township Board on June 26, 2018.

1. Contract Documents were forward to JB Contractors on June 28, 2018 to allow the Contractor to provide proper Insurance and Bond Documents to the Township.
2. Completed contract documents were returned to the Township and the contract was signed by the Township on July 19, 2018.
3. Preconstruction meeting was held between the Township, Contractor and Wade Trim on July 19, 2018. The scope of the project and details of the work to be performed was discussed at the meeting. JB Contractors provided the following project Schedule:
 - Area C - 112 manholes, July 23 to August 13, 2018
 - Area D – 174 Manholes, August 14, to September 6, 2018
 - Area E – 71 Manholes, September 7–17, 2018
 - Area A – 27 Manholes, September 18-20, 2018
 - Area B – 4 Manholes, September 12-22, 2018
4. On July 23, 2018 the contractor commenced working in Area C to locate and stake the 112 buried manholes. This work was completed on Friday July 27, 2018.
5. On Monday July 30, 2018 the contractor started to raise manholes in Area C. Through Saturday August 4, 2018 the contractor has raised 60 manholes to grade.
6. A progress meeting was held on Thursday August 2, 2018 with the Contractor, Wade Trim and the Township. Weekly progress meeting will be held throughout the duration of the project.

Submitted by: Wade Trim

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM F.4
WATER AND SEWER FEE
ADJUSTMENTS
RESOLUTION #2018-08-14-61**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: August 14, 2018

ITEM: Water and Sewer System Fee Schedule Revisions

PRESENTER: Patrick Fellrath, PE, Director of Public Services

OTHER INDIVIDUALS IN ATTENDANCE: None.

BACKGROUND:

The attached revisions to the water and sewer system fees are required to cover associated cost of services.

Proposed revisions pertain to fees which have not been updated in many years; some fees have not been updated in 20 years, if not longer. These fees have been adjusted using up-to-date material and labor cost information. Fees associated with items no longer in existence or applicable have been deleted; while existing fees were updated with clarifying language when necessary.

Proposed revisions do not change current long-standing practices nor introduce new ones, and do not require an amendment(s) to the Water and Sewer System Ordinance. A strikes-and-inserts version of the current approved fee schedule is attached in an effort to highlight the proposed revisions.

ACTION REQUESTED: Approve

BUDGET/ACCOUNT NUMBER: N/A

PROPOSED MOTION: I move to revise the Comprehensive Fee Schedule to include the attached revisions to the Water and Sewer System fees, effective immediately.

ATTACHMENTS: Marked-up Water and Sewer System section of Comprehensive Fee Schedule.

**STATE OF MICHIGAN
COUNTY OF WAYNE
CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES**

**RESOLUTION # 2018-08-14-61
Water and Sewer System Fee Schedule Revisions**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on August 14, 2018, the following resolution was offered:

WHEREAS, it is the responsibility of the Charter Township of Plymouth Board of Trustees to approve and oversee the establishment of fees required to cover associated costs of services and,

WHEREAS, a review and analysis of the Comprehensive Fee Schedule for the Township Water and Sewer System by the Director of Public Services has resulted in the need for a revision of the said fee schedule as presented to the Board at its August 14, 2018 meeting in order to cover costs incurred by the Township.

NOW THEREFORE, BE IT RESOLVED, that the Charter Township of Plymouth, by way of this resolution #2018-08-14-61, hereby concurs with the recommendation of the Township Director of Public Services that the Comprehensive Fee Schedule be adjusted as presented to the Township Board at its August 14, 2018 meeting, effective immediately.

Moved by: _____ Supported by: _____

ROLL CALL VOTE:

____ CC, ____ JD, ____ JV, ____ MC, ____ RD, ____ GH, ____ KH



Certification

STATE OF MICHIGAN)
)
COUNTY OF WAYNE)

I hereby certify that the foregoing is a true and complete copy of the resolution adopted by the Board of Trustees at the Regular Board Meeting dated August 14, 2018.

Jerry Vorva, Clerk
Charter Township of Plymouth

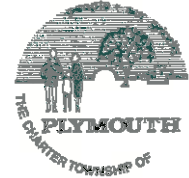
Date

Resolution # 2018-08-14-61

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



WATER AND SEWER SYSTEM

WATER RATES

Consumption Rate

Consumption rate shall be \$4.08 per 1,000 gallons.

Service Charge

Quarterly and monthly service charge shall be assessed based on meter size.

Meter Size	Quarterly Service Charge	Monthly Service Charge
$\frac{3}{4}$ " x $\frac{5}{8}$ "	\$5.40	\$1.80
$\frac{3}{4}$ "	\$5.40	\$1.80
1"	\$5.40	\$1.80
1 $\frac{1}{4}$ "	\$10.50	\$3.50
1 $\frac{1}{2}$ "	\$11.25	\$3.75
2"	\$12.00	\$4.00
3"	\$24.00	\$8.00
4"	\$30.00	\$10.00
6"	\$36.00	\$12.00
8"	\$54.00	\$18.00
10"	\$72.00	\$24.00

Minimum Water Rate

Minimum Rates shall be charged in addition to the appropriate Service Charge and Capital Charge.

Meter Size	Meter Quarterly Rate	Minimum Gallonage Charged	Minimum Monthly Rate	Minimum Gallonage Charged
$\frac{3}{4}$ " x $\frac{5}{8}$ "				
$\frac{5}{8}$ "	\$20.40	5,000	\$8.16	2,000
$\frac{3}{4}$ "	\$24.48	6,000	\$12.24	3,000
1"	\$40.80	10,000	\$16.32	4,000
1 $\frac{1}{4}$ "	\$61.20	15,000	\$24.48	6,000
1 $\frac{1}{2}$ "	\$61.20	15,000	\$24.48	6,000
2"	\$61.20	15,000	\$24.48	6,000
3"	\$61.20	15,000	\$24.48	6,000

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



4"	\$81.60	20,000	\$32.64	8,000
6"	\$81.60	20,000	\$32.64	8,000
8"	\$81.60	20,000	\$32.64	8,000
10"	\$81.60	20,000	\$32.64	8,000

Water Tap Charge

Water Tap charges includes the total cost of installation of water service, including labor, materials, inspection fee and meter. It is determined by the road width of the property address requesting the service. The work is performed by the Township, and relates to the following size of service. (Fees updated by Resolution #2018-07-24-58 adopted 7/24/2018)

Size of Service	Size of Meter	0 – 60'	61' – 86'	87' – 120'	121' – 204'
3/4"	5/8"	\$1,775.00	\$2,270.00	\$2,975.00	\$4,315.00
1"	1"	\$1,900.00	\$2,430.00	\$3,185.00	\$4,620.00

Taps/service sizes greater than 1" shall be performed by a qualified contractor as approved by the Township. Applicant is responsible for obtaining all permits required for completing the work, including but not limited to Wayne County Department of Public Services. All taps shall be inspected by the Township. An inspection fee shall be paid to the Township in advance of the issuance of any water tap (building) permit. Fees are in accordance with the following schedule:

For Live/Hot Taps: A tap inspection fee of \$150.00 (regular hours), \$225.00 (overtime hours*) per inspection shall be charged.

For Dry Taps or Taps Requiring Main Shut-Down: A tap inspection fee of \$450.00 (regular hours), \$900.00 (overtime hours*) per inspection shall be charged.

Two (2) working day notice shall be provided to the Township Department of Public Works in advance of work. Township inspector(s) needs to be on site at start of work.

*Overtime excludes Sunday.

Water Meter Charges

<u>SIZE</u>	<u>CHARGE</u>
1 1/2" (Installed)	\$930.00 (Reg. Hrs.) \$1,066.00 (Overtime*)
2" (Installed)	\$1,953.00 (Reg. Hrs.) \$2,089.00 (Overtime*)
3" (Installed)	\$2,842.00 (Reg. Hrs.) \$2,978.00 (Overtime*)
4" (Installed)	\$3,630.00 (Reg. Hrs.) \$3,766.00 (Overtime*)
6" (Meter Only)	\$7,661.00

All meters 2" and above shall be compound meters.

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



All meters 6" and above shall be supplied by the Township and installed by the Applicant at the Applicant's expense. Installation shall include installing and running Township provided wire from meter to outside wall of building. Meter installation shall be under Township inspection. Inspection fee shall be in accordance with the following schedule:

Inspection (6" and above meter installation) \$300.00 (Reg. Hrs.) \$450.00 (Overtime*)

*Overtime excludes Sunday.

Water Benefit Charge

Water Benefit Charges shall consist of two parts:

- (1) Use Factor Fee
 \$~~2,400.00~~ per unit, determined by the Use Factor Schedule.
- (2) Water Trunk and Transmission Fee

Service Size	Amount
¾"	\$250.00
1"	\$420.00
1 ½"	\$840.00
2"	\$1,680.00
3"	\$3,360.00
4"	\$6,720.00
6"	\$13,440.00

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



Fire Line Detector Check Charge

The detector check meter is set by the Township Water Department. The following meter sizes are required for the stated fire line size:

Fire Line Size	Detector Check Meter Size	Meter Cost
4"	3/4" x 5/8"	Actual cost + <u>20%\$420.00 (Reg. Hrs.); \$550.00 (Overtime*)</u>
6"	3/4" x 5/8"	Actual cost + <u>20%\$420.00 (Reg. Hrs.); \$550.00 (Overtime*)</u>
8"	1"	Actual cost + <u>20%\$540.00 (Reg. Hrs.); \$680.00 (Overtime*)</u>
10"	1 1/2"	Actual cost + <u>20%\$930.00 (Reg. Hrs.); \$1,060.00 (Overtime*)</u>

*Overtime excludes Sunday

Capital Charge and Special Rate

Capital Charges shall be assessed based on the water service size.

Meter Size	Annual Charge
5/8"	\$62.74
3/4"	\$94.11
1"	\$156.85
1 1/4"	\$235.28
1 1/2"	\$313.70
2"	\$501.93
3"	\$1,305.01
4"	\$2,258.67
6"	\$4,843.60
8"	\$7,842.62
10"	\$12,391.34

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



Construction Water Charge

Water on a temporary basis during construction is based on service size.
The Construction Water Permit is valid for a period of six (6) months.

Service Size	Amount
¾"	\$145.80
1"	\$291.60
1 ½"	\$437.40
2"	\$583.20
3"	\$874.80
4"	\$1166.40
6"	\$2332.80
8"	\$4665.60

Other Charges

Charge	Amount
Hydrant Use (water through hydrant)	\$10.20 / 1,000 gallons
Hydrant Meter Deposit:	
¾"	\$150.00
1"	\$200.00
1 ½"	\$400.00
2"	\$600.00
2 ½"	\$800.00
Hydrant Permit	\$100.00 / month
Hydrant Wrench Deposit	\$20.00
Inspection of Disconnects (done by others)	\$100.00 flat rate <u>\$150.00</u> (regular hours); <u>\$225.00</u> (overtime hours*)
Inspection of Water Tap (regular hours)	\$100.00 flat rate (regardless of size)
Inspection of Sewer Tap (regular hours)	\$100.00 <u>\$150.00</u> flat rate (regardless of size)
Inspection of Sewer Tap (overtime hours*)	\$150.00 <u>\$225.00</u> flat rate (regardless of size)
Turn On / Off <u>Curb Stop/Service Valve</u> (regular hours)	\$50.00 <u>\$75.00</u>
Turn On / Off <u>Curb Stop/Service Valve</u> (overtime hours*)	\$100.00 <u>\$120.00</u>
Water Cross Connection Control Inspection (non-residential accounts only)	\$250.00 <u>\$60.00 / year</u>
Water Disconnect at Main	Time and Materials
Sewer Lead Disconnect	Time and Materials
<u>Damaged / Frozen Water Meter</u>	<u>Water Meter Charge plus Turn On / Off Curb Stop/Service Valve Charge</u>

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



SEWER SYSTEM RATES

Sewer Disposal Use Rates

The Sewage Disposal Rate shall be \$6.12 per 1,000 based on gallons of metered water.

Minimum Sewage Rates

Meter Size	Meter Quarterly Rates	Minimum Gallonage Charged	Minimum Monthly Rates	Minimum Gallonage Charged
3/4" x 5/8"	\$30.60	5,000	\$12.24	2,000
3/4"	\$36.72	6,000	\$18.36	3,000
1"	\$61.20	10,000	\$24.48	4,000
1 1/4"	\$91.80	15,000	\$36.72	6,000
1 1/2"	\$91.80	15,000	\$36.72	6,000
2"	\$91.80	15,000	\$36.72	6,000
3"	\$91.80	15,000	\$36.72	6,000
4"	\$122.40	20,000	\$48.96	8,000
6"	\$122.40	20,000	\$48.96	8,000
8"	\$122.40	20,000	\$48.96	8,000
10"	\$122.40	20,000	\$48.96	8,000

Single Residences Unmetered Water

Single residences having an unmetered water supply, the rate shall be \$644.76 per year, billed at the rate of \$161.19 quarterly.

Each trailer in a trailer court having an unmetered water supply, the rate shall be \$644.76 per year, billed at the rate of \$161.19 quarterly.

Special Rates

The Special Rates will depend on the Sewer Use Regulations including all changes of the Waste Control Division as prepared by the Board of Wayne County Road Commissioners and the Wayne County Board of Public Works and will be a minimum of those charged by Wayne County plus 50% overhead.

Sewer Benefit Charges

Sewer Benefit Charges shall consist of two parts:

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~ August 14, 2018



(1) Use Factor Fee
 \$5,900.00 per unit, determined by the Use Factor Schedule.

(2) Sewer Trunk and Transmission Fee

Service Size	Amount
3/4"	\$250.00
1"	\$420.00
1 1/2"	\$840.00
2"	\$1,680.00
3"	\$3,360.00
4"	\$6,720.00
6"	\$13,440.00

INDUSTRIAL WASTE CONTROL (I.W.C.) CHARGE

The I.W.C. surcharge shall be applied as follows:

Meter Size	Monthly Charge
5/8"	\$10.15
3/4"	\$15.23
1"	\$25.38
1 1/2"	\$55.84
2"	\$81.22
3"	\$147.20
4"	\$203.04
6"	\$304.56
8"	\$507.60
10"	\$710.64
12"	\$812.15
16"	\$1,218.23
18"	\$1,421.27
24"	\$1,827.35

~~SEWER CONNECTION RATES~~

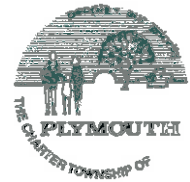
Single-family residence

~~Single-family residence charge will be \$275.00.~~

Charter Township of Plymouth

~ Comprehensive Fee Schedule ~

Effective ~~July 24~~August 14, 2018



~~Other establishments~~

~~Other establishments shall be based on street right-of-way width.~~

Street Right-of-Way	Connection Fee
60' or less	\$300.00
61'—86'	\$420.00
87'—120'	\$600.00
121' plus	\$1,000.00

ENFORCEMENT

Lien on premises

Any charges delinquent for six months or more shall have an administrative fee of 35% of the delinquent amount.

When a tenant is responsible for the payment of any charges and the Township Board is so notified in writing. No further service shall be rendered to such premises until a cash deposit in the sum of not less than \$500.00 shall be made as security for the payment of such charges.

~~INDUSTRIAL SURVEILLANCE PERMIT FEE~~

~~Annual Industrial Surveillance Permit Fee~~

~~Permit fees for Class D shall be determined as follows:
Annual fee = Graduated Volume Base fee X Survey Factor.~~

Average Wastewater Discharge Volume Based on Days when Discharge Occurs	Volume Base Fee
0—50,000	\$75.00
50,000—100,000	\$225.00
100,000—250,000	\$375.00
250,000—1,000,000	\$525.00
1,000,000 plus	\$750.00

Charter Township of Plymouth
~ Comprehensive Fee Schedule ~
Effective ~~July 24~~August 14, 2018



~~The Survey Factor~~

~~The survey factor shall not be less than 1.0 or more than 10.0.~~

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM F.5
OERLIKON-METCO—STORM DRAIN
AGREEMENT
RESOLUTION #2018-08-14-62**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: August 14, 2018

ITEM: Oerlikon-Metco – Storm Drain Agreement
Resolution # 2018-08-14-62

PRESENTER: David Richmond, PE, Township Engineer

BACKGROUND:

Wayne County requires the Township to accept jurisdiction of storm water management systems constructed to comply with the Wayne County Storm Water Management Ordinance and Administrative Rules. The Storm Drain Agreement passes this responsibility on to the owners of the property benefitted by the drainage improvements.

ACTION REQUESTED:

Approve the enclosed resolution authorizing the Township Supervisor to sign the Wayne County Maintenance Permit and authorize the Township Supervisor and Clerk to execute the storm drain agreement.

RECOMMENDATION:

Approve

PROPOSED MOTION: Move to adopt Resolution #2018-08-14-62 authorizing the Township Supervisor to sign the Wayne County Permit M-49433 and approve the Storm Drain Agreement with KIRCO-OM PLYMOUTH, LLC and authorize the Township Supervisor and Clerk to execute same.

Moved By _____ Seconded By _____

ROLL CALL:

___ Vorva, ___ Dempsey, ___ Heitman, ___ Clinton, ___ Heise, ___ Curmi, ___ Doroshewitz

**STATE OF MICHIGAN
COUNTY OF WAYNE
CHARTER TOWNSHIP OF PLYMOUTH**

**RESOLUTION #2018-08-14-62
STORM DRAIN AGREEMENT – KIRCO-OM PLYMOUTH, LLC**

Whereas, the Plymouth Charter Township has been requested by KIRCO-OM PLYMOUTH, LLC to assume jurisdiction and maintenance of a certain storm drain (or storm sewer, as the case may be); and

Whereas, the Wayne County Department of Public Services for the County of Wayne is agreeable to such request and has prepared a Permit No. M49513 to be entered into by said Wayne County Department of Public Services, the Plymouth Charter Township and KIRCO-OM PLYMOUTH, LLC for the purposes therein stated; and

Whereas, the Plymouth Charter Township is under no legal duty to assume such jurisdiction and maintenance or to enter into the aforesaid Permit for the particular benefit of KIRCO-OM PLYMOUTH, LLC and the property served by the storm drain and it is necessary for the public health, safety and welfare that said storm drain be maintained and such maintenance be without cost or expense to the Plymouth Charter Township; and

Whereas, KIRCO-OM PLYMOUTH, LLC as willingly and freely affirmed the desire and intent to execute and record instruments for the purpose of insuring that the Plymouth Charter Township will be held harmless from all costs and expenses in any way pertaining to the Plymouth Charter Township assuming the aforesaid maintenance and jurisdiction or to the aforesaid Permit being executed by the Plymouth Charter Township.

NOW, THEREFORE, BE IT RESOLVED that the Plymouth Charter Township shall assume jurisdiction and maintenance of the storm drain servicing the premises at the street address of 41144 Concept Drive, Plymouth Township, Michigan 48170 and owned by KIRCO-OM PLYMOUTH, LLC.

FURTHER, BE IT RESOLVED that the Supervisor and Clerk of the Plymouth Charter Township are authorized and empowered to execute Permit No. M-49433 of the Wayne County Department of Public Services in behalf of the Plymouth Charter Township; and

FURTHER, BE IT RESOLVED that the Supervisor and Clerk of the Plymouth Charter Township are authorized and empowered to execute the Storm Drain Agreement in behalf of the Plymouth Charter Township together with KIRCO-OM PLYMOUTH, LLC in the form and substance of the instrument presented to this Board.

Present: [Clinton, Curmi, Dempsey, Doroshewitz, Heise, Heitman, Vorva]

Absent:

Moved by:

Supported by:

Roll Call Vote

Ayes:

Nays:

Adopted: Regular Meeting –

Resolution No:

Certification

STATE OF MICHIGAN)
)
COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution adopted by the Board of Trustees at the Regular Board Meeting, dated August 14, 2018.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date _____

STORM DRAIN AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, A.D., 20___, by and between the PLYMOUTH CHARTER TOWNSHIP, a Municipal Corporation, 9955 North Haggerty Road, Plymouth, Michigan 48170, hereinafter referred to as "TOWNSHIP", and KIRCO-OM PLYMOUTH LLC whose address is 101 W. Big Beaver Road, Suite 200, Troy, Michigan 48084 hereinafter referred to as "PROPRIETOR", in consideration of the TOWNSHIP adopting a Resolution assuming jurisdiction and maintenance of a certain storm drain, a copy of which is attached as Exhibit A and incorporated by reference, and executing a certain Permit, a copy of which is attached as Exhibit B and incorporated by reference, with the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, COUNTY OF WAYNE, MICHIGAN, a public body corporate, providing certain duties and obligations undertaken by the TOWNSHIP in respect to a storm drain for the ultimate proximate benefit of PROPRIETOR and the special benefit of land within the PLYMOUTH CHARTER TOWNSHIP, County of Wayne and State of Michigan, hereinafter termed "SPECIALLY BENEFITED DISTRICT", described as:

Property Tax I.D.: R7802501000400, R7802501000500, R7802501000600, and R7802501000700

Property Address: 41144 Concept Drive, Plymouth Township, Michigan 48170

Legal Description: Land situated in the Township of Plymouth, County of Wayne, State of Michigan.

Lots 4, 5, 6, and 7 – Metro Plymouth Business Park Subdivision, as recorded in LIBER 118 pages 38-46, Wayne County Records

and said storm drain, or the portion thereof, being assumed for jurisdiction and maintenance, is pictorially set forth on attached Exhibit B, incorporated by reference.

NOW, THEREFORE, in consideration of the foregoing and of these presents, TOWNSHIP and PROPRIETOR agree as follows:

1. The PROPRIETOR shall prepare and submit to the TOWNSHIP for review and approval by the TOWNSHIP, in its sole discretion, all construction and as built plans and specifications for the storm drains as the TOWNSHIP may require.

2. Upon completion of the PROPRIETOR'S construction, payment by the PROPRIETOR of the TOWNSHIP'S inspection and review fees, and submission of approved as built plans and specifications, the TOWNSHIP shall assume jurisdiction of the storm drain and maintain the same at its own cost and expense, subject to complete reimbursement of the same by the owners (at any time hereafter) of all lands in the aforescribed SPECIALLY BENEFITED DISTRICT and subject to such security and bonds as the TOWNSHIP may require of the PROPRIETOR.

3. The PROPRIETOR and the owners, their agents, heirs, successors and assigns, of all lands in the SPECIALLY BENEFITED DISTRICT shall defend, indemnify and save harmless from risk of loss and all expenses, costs, interest, actual attorneys' fees, settlement sums and judgments, if any, the TOWNSHIP from any

claims, demands, actions, damages and injuries of any kind, nature or description which may hereafter at any time be made against the TOWNSHIP, whether directly or indirectly, on account of, arising from or occurring as a result of the design, construction, use, maintenance, repair, discharge to, violation of the Clean Water Act, or operation, or the omission of any of the same, of the storm drain and the appurtenances, connections, attachments and appliances thereof.

The PROPRIETOR and the owners, their agents, heirs, successors and assigns, shall be subject to the provisions of Ordinance No. 99, which provides, in pertinent part, for the creation of liens upon the SPECIALLY BENEFITED DISTRICT in favor of TOWNSHIP for any and all amounts unpaid by the SPECIALLY BENEFITED DISTRICT to the TOWNSHIP as a result of any claims, demands, actions, damages and injuries of any kind, nature or description which may hereafter at any time be made against the TOWNSHIP, whether directly or indirectly, on account of, arising from or occurring as a result of the design, construction, use, maintenance, repair or operation, or the omission of any of the same, of the storm drain and the appurtenances, connections, attachments and appliances thereof.

4. The PROPRIETOR, and the successors and assigns of same, and the owners of all lands in the SPECIALLY BENEFITED DISTRICT shall fully and faithfully perform each and all of the particular and the general conditions of the Permit, being Exhibit B.

5. PROPRIETOR shall constitute the following language as a restriction and covenant running with all of the land described as the SPECIALLY BENEFITED DISTRICT and binding upon all owners of said lands, and their agents, heirs, assigns and successors:

(a) The PLYMOUTH CHARTER TOWNSHIP, its successors, assigns, agents, independent contractors and employees, is hereby granted an irrevocable license to enter upon and across all land at any time for the purposes of inspecting, repairing, maintaining, removing, installing, reinstalling and constructing the storm drain which is the subject of a certain Storm Drain Agreement, dated _____, 20____, between the PLYMOUTH CHARTER TOWNSHIP AND KIRCO-OM PLYMOUTH LLC therein referred to as PROPRIETOR, and which are subject to a Permit between the PLYMOUTH CHARTER TOWNSHIP and the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, WAYNE COUNTY, MICHIGAN dated March 8, 2017.

(b) The owner(s) of the land, and their agents, heirs, successors and assigns, shall be jointly and severally liable for all costs and expenses incurred by the PLYMOUTH CHARTER TOWNSHIP, together with reasonable charges for its administration, supervision and management, in inspecting, repairing, maintaining, removing, installing, reinstalling and constructing the storm drain which is the subject of paragraph (a), immediately hereinbefore set forth. Such costs, expenses and charges shall be due and owing upon the PLYMOUTH CHARTER TOWNSHIP communicating the same in writing to the last known address of said PROPRIETOR filed with the Township Clerk and to the address of owner(s) as set forth on the then existing tax roll by first class mail, postage prepaid, and a proof of service of said mailing shall be conclusive evidence of the fact of actual notice to all persons, firms, corporations, associations or entities to whom such mailing was addressed. The foregoing shall not be the exclusive right or remedy of the PLYMOUTH CHARTER TOWNSHIP, rather all rights and remedies otherwise provided to the PLYMOUTH CHARTER TOWNSHIP by statute, ordinance, agreement or other provisions of this instrument shall be available to the PLYMOUTH CHARTER TOWNSHIP.

Further, the PROPRIETOR shall forthwith record this Storm Drain Agreement with the Wayne County Register of Deeds at PROPRIETOR'S sole cost and expense and furnish to the TOWNSHIP satisfactory evidence of such recording.

Wherever in this instrument the term "storm drain" is utilized, it shall be read to mean the same as "storm sewer".

IN WITNESS WHEREOF, the parties hereto have caused this Storm Drain Agreement to be executed by their respective, duly-authorized officers and their seals to be affixed hereto all as of the day and year first above written.

PROPRIETER

DERLIKON KIRCO, LLC
By: Duane Allison
Duane Allison

Its: Project Manager

By: _____

Its: _____

PLYMOUTH CHARTER TOWNSHIP

By: _____
Kurt L. Heise

Its: Supervisor

By: _____
Jerry Vorva

Its: Clerk

STATE OF MICHIGAN)
)ss.
COUNTY OF WAYNE)

The foregoing instrument was acknowledged before me this 3rd day of APRIL, 2018,
by DUANE ALLISON, PROJECT MANAGER (AUTHORIZED AGENT)
Individual Name(s) and Office Held
of DERLIKON KIRCO, LLC, a MICHIGAN Corporation, on behalf
of DERLIKON KIRCO, LLC Corporate Name, MICHIGAN State of Incorporation
the Corporation.

Barbara Sciarrino
Notary Public
MACOMB County, MICHIGAN
My Commission Expires: 12-17-2022

BARBARA SCIARRINO
NOTARY PUBLIC, STATE OF MI
COUNTY OF MACOMB
MY COMMISSION EXPIRES Dec 17, 2022
ACTING IN COUNTY OF WAYNE

STATE OF MICHIGAN)
)ss.
COUNTY OF WAYNE)

The foregoing instrument was acknowledged before me this _____ day of _____ 20____
by Kurt L. Heise, Supervisor of Plymouth Charter Township and Jerry Vorva, Clerk of Plymouth Charter
Township, a Michigan municipal corporation, on behalf of the Plymouth Charter Township.

Notary Public

Wayne County, Michigan
My Commission Expires: _____

When recorded, return to:

Jerry Vorva, Clerk
Plymouth Charter Township
9955 North Haggerty Road
Plymouth, MI 48170

Drafted by:

Ronald E. Witthoff, Esq.
Hemming, Polaczyk, Cronin,
Smith, Witthoff & Bennett, P.C.
217 W. Ann Arbor Road, Suite 302
Plymouth, MI 48170

PERMIT OFFICE
33809 MICHIGAN AVE
WAYNE, MI 48184,
PHONE (734) 595-6504
FAX (734) 595-6356

72 HOURS BEFORE ANY
CONSTRUCTION. CALL

FOR INSPECTION



WAYNE COUNTY
DEPARTMENT OF PUBLIC SERVICES
PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN

PERMIT No.

M-49433

ISSUE DATE

3/8/2017

EXPIRES

REVIEW No.

R 17-023

WORK ORDER

PROJECT NAME

MAINTENANCE PERMIT FOR OERLIKON METCO MANUFACTURING FACILITY

LOCATION

41144 CONCEPT DRIVE (CONCEPT DR. E/O HAGGERTY RD. N/O PLYMOUTH RD.)

CITY/TWP

PLYMOUTH TWP

PERMIT HOLDER

PLYMOUTH TOWNSHIP
9955 N HAGGERTY RD
PLYMOUTH TOWNSHIP, MI 48170-4673

CONTRACTOR

CONTACT

KURT HEISE

(734) 354-3204

CONTACT

<BLANK>

DESCRIPTION OF PERMITTED ACTIVITY

(72 HOURS BEFORE YOU DIG, CALL MISS DIG 1-800-482-7161, www.missdig.org)

PERMIT TO MAINTAIN THE STORM WATER MANAGEMENT SYSTEM IN ACCORDANCE WITH THE DRAWING ATTACHED AS EXHIBIT "A", THE TERMS OF THE LONG-TERM MAINTENANCE PLAN ATTACHED AS EXHIBIT "B" AND THE WAYNE COUNTY STORM WATER ORDINANCE AND ADMINISTRATIVE RULES. A RESOLUTION FROM THE PLYMOUTH TOWNSHIP TO MAINTAIN THE PROPOSED STORM WATER MANAGEMENT SYSTEM AND ITS FACILITIES IS REQUIRED.

THE TOWNSHIP OF PLYMOUTH SHALL ASSUME JURISDICTION OVER AND ACCEPT RESPONSIBILITY FOR MAINTENANCE OF THE STORM WATER MANAGEMENT SYSTEM(S) TO ENSURE THAT THE STORM WATER MANAGEMENT SYSTEM FUNCTIONS PROPERLY AS DESIGNED AND CONSTRUCTED. THE PERMIT HOLDER'S RESPONSIBILITIES UNDER THIS PERMIT SHALL INCLUDE, WITHOUT LIMITATIONS, (A) ANY MONITORING AND PREVENTIVE MAINTENANCE ACTIVITIES SET FORTH IN THE PLAN; (B) ANY AND ALL REMEDIAL ACTIONS NECESSARY TO REPAIR, MODIFY OR RECONSTRUCT THE SYSTEM AND © OTHER ACTIVITIES OR RESPONSIBILITIES FOR MAINTENANCE OF THE STORM WATER MANAGEMENT SYSTEM AS MAY BE SET FORTH IN THE ORDINANCE, ADMINISTRATIVE RULES, THE PLAN OR THIS PERMIT.

THE TOWNSHIP OF PLYMOUTH SHALL PERFORM ALL MONITORING, MAINTENANCE, REMEDIAL AND OTHER RESPONSIBILITIES REQUIRED BY THE WAYNE COUNTY ORDINANCE, ADMINISTRATIVE RULES, THE PLAN AND THIS PERMIT, IN PERPETUITY AND AT ITS SOLE COST EXPENSE.

THE TOWNSHIP OF PLYMOUTH SHALL PREPARE, EXECUTE AND (IF NECESSARY) RECORD ANY AND ALL AGREEMENTS, CONTRACTS AND OTHER DOCUMENTS THAT MAY BE REQUIRED TO PERFORM ITS OBLIGATIONS HEREUNDER AND ENSURE MAINTENANCE OF THE STORM WATER MANAGEMENT SYSTEM IN PERPETUITY.

IF WAYNE COUNTY FINDS IT NECESSARY TO ADJUST OR RELOCATE ALL OR ANY PORTION OF THE PERMITTED STORM WATER MANAGEMENT SYSTEM, THE PERMIT HOLDER SHALL CAUSE THIS ADJUSTMENT OR RELOCATION TO BE ACCOMPLISHED AT NO EXPENSE TO THE COUNTY. PRIOR TO ANY WORK BEING PERFORMED IN THE RIGHT-OF-WAY, A PERMIT SHALL BE SECURED FROM THE WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES PERMIT OFFICE.

APPROVED PLANS PREPARED BY

Ghafari Associates

PLANS APPROVED BY

Razi, M.

REQUIRED ATTACHMENTS

EXHIBIT A: MAP DEPICTING PHYSICAL LIMITS OF STORM WATER MGT SYSTEM

EXHIBIT 'B': LONG TERM MAINTENANCE PLAN

EXHIBIT 'C': BINDING AGREEMENT (COMMUNITY RESOLUTION)

(PERMIT VALID ONLY IF ACCOMPANIED BY ABOVE ATTACHMENTS)

In consideration of the Permit Holder and Contractor agreeing to abide and conform with all the terms and conditions herein, a Permit is hereby issued to the above named to Construct, Operate, Use and/or Maintain within the Road Right of Way, County Easement, and/or County Property. The permitted work described above shall be accomplished in accordance with the Approved Plans, Maps, Specifications and Statements filed with the Permit Office which are integral to and made part of this Permit. The General Conditions as well as any Required Attachments are incorporated as part of this Permit.

WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES

PERMIT HOLDER NAME

PERMIT HOLDER / AUTHORIZED AGENT

DATE

PREPARED BY

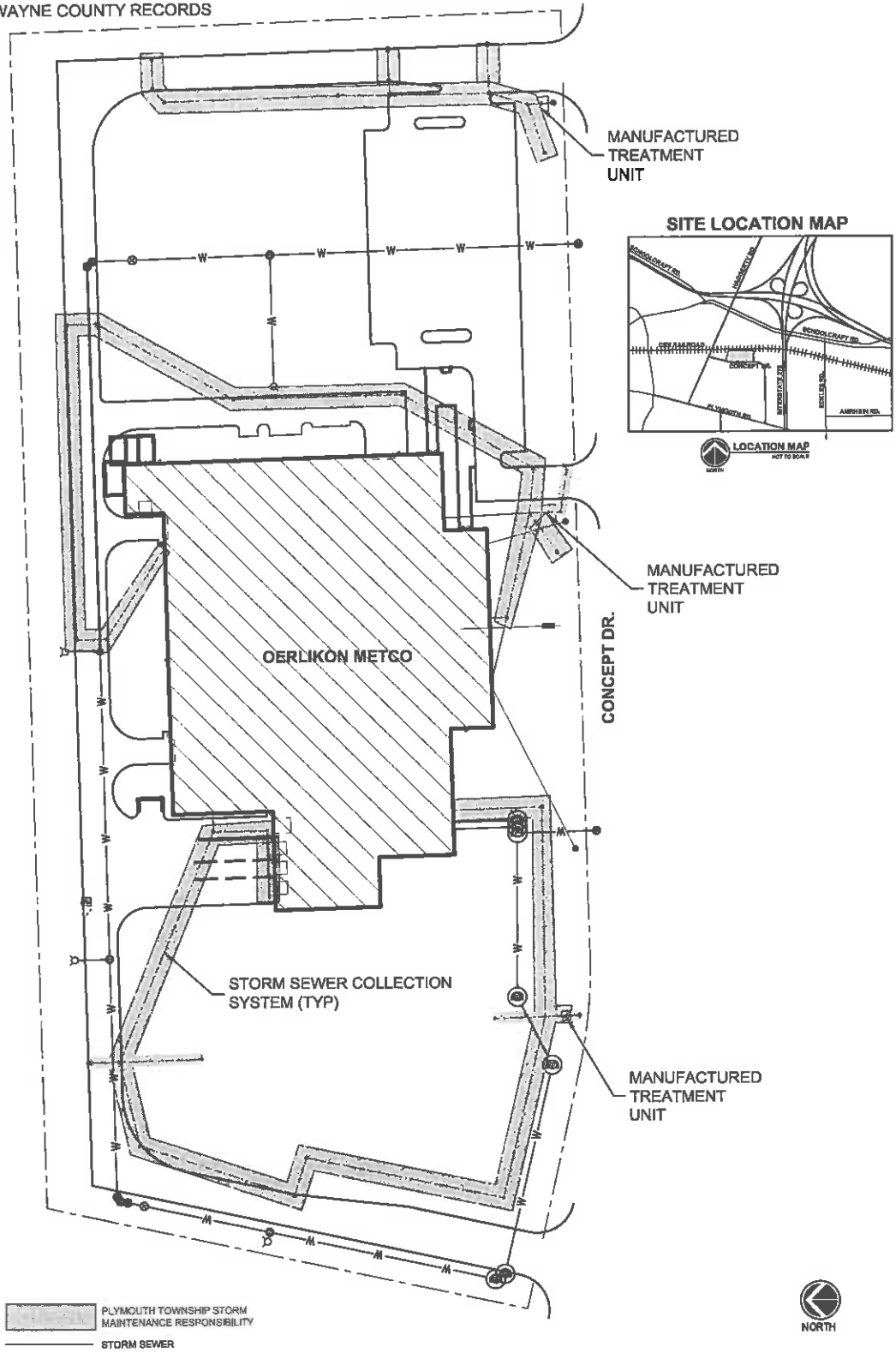
VALIDATED BY

PERMIT COORDINATOR

DATE

EXHIBIT 'A'
PHYSICAL LIMITS OF STORM WATER MANAGEMENT SYSTEM

LOTS 4, 5, 6 AND 7
 METRO PLYMOUTH BUSINESS PARK SUBDIVISION
 LIBER 118, PAGES 38-46
 WAYNE COUNTY RECORDS



Feb 10, 2017 - 3:23pm rraymond C:\ghafari\local\cache\project\167083\167083.dwg

GHAFARI
 GHAFARI Associates, L.L.C.
 17101 Michigan Avenue
 Dearborn, MI 48128
 Tel 313-441-3000
 Fax 313-436-8800
 www.GHAFARI.com
 Architecture - Engineering - Consulting

PROJECT#:	167083.001
PROJ. MGR.:	S. HAHN
DESIGN:	DAVID PAMULA
CHECK:	DAVID PAMULA
FILENAME:	

SHEET#	1 OF 1
ISSUE DATE:	02/07/17
ISSUED FOR:	STORM MAINTENANCE

EXHIBIT B - STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE PLAN

Wayne County DPS Permit No.: M-
Wayne County DPS Plan Review No.: R17-023

A. Physical Limits of the Storm Water Management System

The storm water management system (SWMS) subject to this long-term maintenance plan (Plan) is depicted on Exhibit A to the permit and includes without limitation the storm sewers, catch basins, manholes, inlets, swales, mechanical treatment structures, and outlet pipes that convey flow from the site to the existing Concept Drive storm sewer system that outlets to a regional detention pond. For the purposes of this plan, this storm water management system (SWMS) and all of its components as shown in Exhibit A is referred to as "OERLIKON METCO SWMS".

B. Time Frame for Long-Term Maintenance Responsibility

OERLIKON METCO is responsible for maintaining the OERLIKON METCO SWMS, including complying with applicable requirements of the local or Wayne County soil erosion and sedimentation control program until Wayne County releases the construction permit. Long-term maintenance responsibility for the OERLIKON METCO SWMS commences when defined by the maintenance permit issued by the County. Long-term maintenance continues in perpetuity.

C. Manner of Insuring Maintenance Responsibility

Plymouth Township has assumed responsibility for long-term maintenance of OERLIKON METCO SWMS. The resolution by which the Plymouth Township has assumed maintenance responsibility is attached to the permit as Exhibit C. OERLIKON METCO, through a maintenance agreement with Plymouth Township, has agreed to perform the maintenance activities required by this plan. Plymouth Township retains the right to enter the property and perform the necessary maintenance of the OERLIKON METCO SWMS if OERLIKON METCO fails to perform the required maintenance activities. To ensure that the OERLIKON METCO SWMS is maintained in perpetuity, the map of the physical limits of the storm water management system (Exhibit A), this plan (Exhibit B), the resolution attached as Exhibit C, and the maintenance agreement between the Plymouth Township and the property owner(s) will be recorded with the Wayne County Register of Deeds. Upon recording, a copy of the recorded documents will be provided to the County.

D. Long-Term Maintenance Plan and Schedule

Table 1 identifies the maintenance activities to be performed, organized by category (monitoring/inspections, preventative maintenance and remedial actions). While performing maintenance, chemicals should not be applied to the forebay, detention basin, buffer strip, or watercourses. Table 1 also identifies site-specific work needed to ensure that the storm water management system functions properly as designed.

TABLE 1 STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SCHEDULE					
MAINTENANCE ACTIVITIES	SYSTEM COMPONENTS	Storm Collection System (Inlets, Catch Basins, Manholes, Swales, Sewers)	Mechanical / Treatment System	Pavement Areas, Others	FREQUENCY
Monitoring/Inspection					
Inspect for Sediment Accumulation**/Clogging of Stone Filter	X	X			Annually
Inspect For Floatables, Dead Vegetation & Debris	X	X			Annually & After Major Events
Inspect For Erosion And Integrity of Banks & Berms	X	X			Annually & After Major Events
Inspect All Components During Wet Weather & Compare to As-Built Plans	X	X			Annually
Ensure Maintenance Access Remain Open/Clear	X	X			Annually
Preventative Maintenance					
Remove Accumulated sediments	X	X			As needed**
Remove Floatables, Debris, Invasive & Dead Vegetation	X	X			As Needed
Sweeping of Paved Surfaces, Others				X	As Needed
Remedial Actions					
Repair/Stabilize Areas of Erosion	X				As Needed
Structural Repairs	X	X			As Needed
Make Adjustments/Repairs to Ensure Proper Functioning	X	X			As Needed

NOTES: *Not to exceed the length allowed by local community ordinance. **Mechanical Treatment Structures, Strainers be cleared whenever sediments accumulate to a depth of 6-12 inches, or if sediment resuspension is observed.

PROPERTY INFORMATION: OERLIKON METCO 41144 CONCEPT DR. PLYMOUTH TWP, MI	PROPERTY OWNER: OERLIKON METCO 41144 CONCEPT DR. PLYMOUTH TWP, MI Phone: (248) 288-1200	ENGINEER: Ghafari Associates, LLC 17101 Michigan Avenue Dearborn, MI 484126 Phone: (313) 441-3000 Fax: (313) 436-8630	DATE: 02/07/2017 SHEET OF 1
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**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM G
SUPERVISOR AND TRUSTEE
COMMENTS**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
AUGUST 14, 2018**

**ITEM H
PUBLIC COMMENTS AND QUESTIONS**

**CHARTER TOWNSHIP OF PLYMOUTH
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**ITEM I
ADJOURNMENT**